

# DX News

*Serving DXers since 1933*

Volume 73, No. 1 - October 3, 2005 (ISSN 0737-1659)



## Inside . . .

- |                                    |                               |
|------------------------------------|-------------------------------|
| 2 .. AM Switch                     | 20 .. KPS Callsign Granted    |
| 5 .. DDXD                          | 21 .. NRC '05 at Kulpville    |
| 8 .. IDXD                          | 26 .. Madeira and Portugal DX |
| 13 .. Volume 72 DXN Index          | 31 .. WWL Lifeline            |
| 14 .. Professional Sports Networks | 33 .. Geomagnetic Indices     |
|                                    | 35 .. Musings of the Members  |
|                                    | 35 .. For Beginners           |

### Station Test Calendar

WNAR PA 1620 daily 0300-0304

*From the Publisher ...* The so-called [NRC-AM] listserv, as of midnight September 30, is history, in spite of vehement protests by some of its users.

Some posters compared the actions of the BoD in discontinuing the listserv to activities during the 1964 NRC / IRCA split, to Communism, and more. Some posted demands which simply could not be met, and some posted nasty insults not only to the NRC BoD and Publishers but to each other. Some non-NRC members using the listserv were strident in their demands and frequent in their abuses. Most ironically, some of the same people who had demanded in June during another listserv tempest that the NRC move into the 21st century derided the new online e-DXN which has replaced the listserv.

The unofficial e-mail-based listserv, once useful in the 20th century, gradually degenerated into a free vehicle for insults and innuendoes, overshadowing its original intended purpose, that of exchanging DX- and radio-related information, and tainting the reputation of the National Radio Club. The end result was a lose-lose situation, with almost no one satisfied with the state of the listserv nor with its demise, even though many people moved on to other listservs. BoD Chairman Wayne Heinen below offers an in-depth look at the history of the problematic listserv, telling why it was time for termination.

*From The Chairman of the Board ... The end of the [NRC-AM] List and a view for the Future:*

The original listserv was started by Fred Vobbe on his equipment with his software. Later, the Board was asked if it would be okay to add the [NRC-AM] moniker. Little did we know what would happen.

Most recently the operation was moved to NRC hardware and bandwidth. The original list burned through three or more moderators and the Board

was informed that we would need to be looking for another moderator very soon.

The fact of the matter is that the NRC Board of  
(Continued on page twenty-one)

### DXN Publishing Schedule, Volume 73

Iss.	Deadline	Pub. Date	Iss.	Deadline	Pub. Date
2.	Sept. 30	Oct. 10	17.	Jan. 20	Jan. 30
3.	Oct. 7	Oct. 17	18.	Jan. 27	Feb. 6
4.	Oct. 14	Oct. 24	19.	Feb. 3	Feb. 13
5.	Oct. 21	Oct. 31	20.	Feb. 10	Feb. 20
6.	Oct. 28	Nov. 7	21.	Feb. 17	Feb. 27
7.	Nov. 4	Nov. 14	22.	Feb. 24	Mar. 6
8.	Nov. 11	Nov. 21	23.	Mar. 10	Mar. 20
9.	Nov. 18	Nov. 28	24.	Mar. 24	April 3
10.	Nov. 25	Dec. 5	25.	April 7	April 17
11.	Dec. 2	Dec. 12	26.	May 5	May 15
12.	Dec. 9	Dec. 19	27.	June 9	June 19
13.	Dec. 23	Jan. 2	28.	July 7	July 17
14.	Dec. 30	Jan. 9	29.	Aug. 4	Aug. 14
15.	Jan. 6	Jan. 16	30.	Sept. 8	Sept. 18
16.	Jan. 13	Jan. 23			

### DX Time Machine

#### From the pages of DX News:

50 years ago ... from the September 24, 1955 DXN: The NRC Labor Day weekend convention in Cedar Rapids, IA was labeled "a whopping success", with members attending from 14 states; the farthest attendee was Stan Morss from West Boxford, MA. From the Oct. 1 DXN: Jim Critchett, San Diego, CA reported the prize of a \$21.95 Westinghouse toaster for the most-distant phone call to Hayes Sammons Hardware, Mission, TX, the sponsor of an all-night broadcast over KRIO-910 on 8/25.

25 years ago ... from the October 6, 1980 DXN: Paul Swearingen was appointed IDXA column editor to replace Norm Maguire, who had passed away, and the new NRC Domestic Log was selling for \$4.00.

10 years ago ... from the October 2, 1995 DXN: The FCC rescinded the original x-Band proposed list of stations, and the new NRC AM Radio Log was selling for \$16.95, same price as the previous year.



# AM Switch

Status changes in AM stations, supplied by the FCC, CRT, and listeners

**Bill Hale** w\_r\_hale@sbcglobal.net  
6124 Roaring Springs Drive  
North Richland Hills, TX 76180-5552



## FIRST, CORRECTIONS FROM LAST ISSUE

### CALL LETTER CHANGES

Old Call	New Call
910 WKEQ	KY Burnside WSFE

### CPs ON THE AIR

1430 WOWW TN Germantown - CP to consolidate their day and night operations at the former 6-tower night site at N35-12-50 W89-47-46 is on the air. WOWW remains U2 2500/2500.

And...

Reportedly back on the air: KICY-850 Nome, Alaska with a Southern gospel format.

Where were my highly-paid proofreaders when I needed them??

Now onto the new stuff, current through September 23...

### CALL LETTER CHANGES

730 KSUD	AR West Memphis KQPN
880 WNL	TN Nashville WNSG [The FCC lists this station as 'silent']
1240 WNSG	TN Nashville WNL
1370 WLTC	NC Gastonia WGIV
1530 NEW	GU Agana KVOG
1550 NEW	FL Bunnell WAYI
1600 KRRD	UT Centerville KXTA

**NEWS TALK**  
**1420 AM**  
**WHK**  
RICHMOND

### GRANTS FOR NEW STATIONS

1230 NEW	GA Smithville - CP granted for U1 1000/1000.
1230 NEW	KY Glasgow - CP granted for U1 750/750.
1400 NEW	NC Jacksonville - CP granted for U1 1000/1000.
1450 NEW	VA Charlottesville - CP granted for U1 1000/1000.
1530 KVOG	GU Agana - CP granted for U1 250/250.

### GRANTS TO EXISTING FACILITIES

860 KSFA	TX Nacogdoches - Coordinate correction to N31 31 36 W94-39 29.
970 WCHN	NY Norwich - Program Test Authority (PTA) granted for U1 1000/34.
1030 WONQ	FL Oviedo - Program Test Authority (PTA) granted for U2 45000/1700

with a slight adjustment to their coordinates to N28-40-32 W81-09-58.

1230 WVNT WV Parkersburg - CP granted to decrease power levels to U1 880/880 from a new 254' tower at N39-15-29 W81-33-49.

1240 WOON RI Woonsocket - CP granted to designate the current tower location, which it has been operating from under a Special Temporary Authorization (STA) since being evicted from their original site by the city of Woonsocket in order to make way for construction on the property, as their licensed site. The 200' tower, located at N42-00-58 W71-29-30, is the site of WNRI-1380.

1240 WALO PR Humacao - CP granted to relocate their transmitter to N18-09-17 W65-46-16.

1270 WHGS SC Hampton - CP granted to increase their daytime power to become U1 10000/219.

1300 KKOL WA Seattle - CP granted to change their pending CP from U4 50000/50000 to U4 50000/47000 from a new transmitter site at N47-14-56 W122-24-18.

1340 WTAN FL Clearwater - CP granted to move to a new transmitter site at N27-58-21 W82-47-48.

1420 KGIM SD Aberdeen - Correction of tower coordinates to N45-29-12 W98-29-50.

1460 KDWA MN Hastings - CP granted to move to a new transmitter site at N44-44-14 W92-49-42. KDWA remains U1 1000/41.

1480 KKCQ MN Fosston - Correction of tower coordinates to N47-33-51 W95-43-27.

1510 KCUV CO Littleton - PTA granted for U4 9500/25000. KCUV still has a pending application for U4 50000/25000. Their application for a City-of-License (CoL) change to Englewood has been deleted from the FCC database.

1530 KVDW AR England - PTA granted for D1 2500/0 CH 270.

1540 WSIV NY East Syracuse - CP granted to move the day site to the shorter of the two towers formerly used by WOLF-1490 when operating daytime. WSIV remains U1 1000/57.

### APPLICATIONS FROM EXISTING FACILITIES

770 WWCN FL North Fort Myers - Applies to decrease night power and change the night pattern (away from New York, of course). If granted and built, WWCN would become U4 10000/630.

790 WRMS IL Beardstown - Application is to shorten the towers by 1.15 degrees and to decrease the nighttime power to become U4 500/55.

940 KICE OR Bend - Applies to increase night power to become U4 10000/71 from two new towers at N44-10-51 W121-14-25.

1170 KUGT MO Jackson - Applies to add night service as U1 250/5.

1230 KPSS NM Roswell - Applies to decrease their daytime power while increasing the night power level from a new tower location. If granted, KPSS will become U1 620/1000 at N33-23-37 W104-36-16.

1300 WJYP WV St. Albans - Applies to erect a new 205' tower, identical to the old one which has become unsafe due to 'excess rust'. It is assumed that the old tower will be dismantled and the new structure will go up at the same location as the coordinates match. WJYP will remain U1 1000/49.

1350 CKDO ON Oshawa - Applies to move to 1580 kHz with U4 10000/10000 from two new towers.

1490 KRRR OR Roseburg - Applies to move to a new 225' tower while remaining U1 1000/1000.

1540 WBCO OH Bucyrus - Coordinate adjustment to N40-45-51 W82-56-05.

1540 WNWR PA Philadelphia - Applies to change CoL to Bala Cynwyd while remaining D3 50000/0. The text of the application implies that WNWR is licensed for 7 Watts nighttime, but FCC documentation shows no nighttime authorization. Which poses the question... "Does WNWR broadcast at night?" Can any Philadelphia-area readers comment?

### APPLICATIONS FOR NEW STATIONS

640 NEW WI Rhinelander - Applies for U2 620/420.

650 CKZW QC Montreal - Applies for D1 10000/0. [There are 3 different sets of power/antenna parameters listed on the application. We'll go with this one judging from the coverage map in the package. The call letters are also tentative. They are proposing a gospel format.

670 NEW VT Essex Junction - Applies for U7 50000/300 CH 20000.

980 NEW QC Levis - Applies for U4 50000/50000. This would be a substitute for a station granted here in 2000, but never built.

1370 NEW WY Big Horn - Applies for U2 10000/250.

1450 NEW NH Lancaster - Applies for U1 1000/670.

1450 NEW QC Montreal - Applies for U1 1000/1000.

1490 NEW NH Berlin - Applies for U1 1000/930.

1520 NEW WI Howard - Applies for U4 250/3000.

1650 NEW QC Montreal - Applies for U1 1000/1000.

1690 NEW QC Montreal - Applies for U1 1000/1000.



### APPLICATIONS REINSTATED

1050 KTBA AZ Tuba City - Application (from 2000) for U1 250/85 with a move to 760 kHz.

1080 WNWI IL Oak Lawn - Application (from 2001) to operate nighttime in a 'two-step' mode. The existing tower array will be used with a new set of operating parameters. It is proposed to operate with 650 Watts of nighttime power into a new set of parameters until WTIC - Hartford, Connecticut switches to its nighttime directional operation at sunset of KRLD - Dallas, Texas. WTIC operates non-directional until sunset at Dallas. Therefore, dual protection to WTIC is required. Upon the WTIC switch to nighttime operation, WNWI nighttime power will be increased to 2600 Watts. Both power levels will utilize the same pattern. If granted, I imagine the listing would look like this: Ux 3000/650/2600. Then we'll have to come up with a new antenna code to fill that 'x' to accommodate them.

### AMENDMENTS TO CONSTRUCTION PERMITS SUBMITTED

1490 WWPR FL Bradenton - Licensed for U1 1000/1000, WWPR has a CP for U1 500/500 from a new transmitter site at N27-28-36 W82-32-09. This amendment requests U1 800/800 from that new site.

AMENDMENTS TO APPLICATIONS SUBMITTED

**820 WAITIL Chicago** - Licensed for D1 5000/0, WAIT applied to change the CoL to Willow Springs and add night service as U2 5000/1500. This amendment drops the CoL change.

**900 NEW AS Leone** - Original Auction 84 application was for U1 5000/5000. This amendment requests U1 5000/3000.

**1050 NEW MT Missoula** - Original Auction 84 application was for U1 1000/1000 and later amended to read U4 50000/450. This amendment requests to revised the nighttime proposal reducing the power to 250 Watts and adding two additional towers to the nighttime antenna array.

**1210 WLDR MI Kingsley** - Licensed for D1 50000/0 CH 2500, WLDR applied for a city-of-license change to Garfield Township. This amendment requests D1 50000/0 CH 1600.

**1370 KGEN CA Tulare** - Last issue we heard: "Licensed for U1 1000/136, KGEN applied to change their CoL to Sanger, and increase their power to be U4 5000/250. This amendment still requests the change in CoL, but now they want to move the transmitter site to that of KGEN-FM at N36-12-16 W119-33-53 and decrease power levels to U1 710/72.0 Well, 24 days after that amendment was filed, they came up with another idea. Now they want U5 3800/111 from another transmitter site of N36-39-39 W119-41-02, which is site of KQEQ-1210. KGEN proposes to add a second tower to the KQEQ site and diplex. Stay tuned ...

**1490 NEW MT Malmstrom AFB** - Original Auction 84 application was for U1 1000/570. This amendment requests U1 1000/580.

**1580 NEW CA San Luis Obispo** - Original Auction 84 application was for U7 250/250 CH 250. This amendment requests U4 1000/1300.

**1580 WNTF FL Bithlo** - Licensed for D1 2100/0, WNTF applied for D3 10000/0, but due to the death of the engineer and weather-related delays, construction was not completed within the allotted time limits. This is a re-submission of the application and petition for reinstatement.

APPLICATIONS FROM EXISTING FACILITIES DISMISSED

**1450 WOL DC Washington** - Application for U1 390/390 dismissed. WOL remains U1 1000/1000.

**1470 KLBP MN Brooklyn Park** - Application denied to relocate main studio outside community of license/waiver of main studio rule.

**1440 KTNO TX University Park** - CP for U4 9000/350 has been dismissed, leaving the application for U4 50000/350 pending.

LICENSE CANCELLATIONS (probably paperwork SNAFUs, so hang on ...)

970 WVOV VA Danville	1320 WAGY NC Forest City	1430 WFHK AL Pell City
980 WKLF AL Clanton	1320 WTOW NC Washington	1470 WJPI NC Plymouth
990 WGML GA Hinesville	1340 WOOW NC Greenville	1530 WTTI GA Dalton
1160 KHPP IA Waukon	1350 WLMA SC Greenwood	1580 WDAB SC Travellers Rest
1300 WSSG NC Goldsboro	1370 WGIV NC Gastonia	

LICENSE RENEWALS GRANTED

1300 KSET TX Silsbee	1500 KDFN MO Doniphan	1600 WXVI AL Montgomery
1400 KEYE TX Perryton	1570 WANR OH Warren	

HEAR AND THAR

□ Canada is on vacation this week, hi. Or tuning up the snow throwers.

□ For some reason the city-of-license change for WGLB-1560 from Port Washington, Wisconsin to nearby Elm Grove slipped past the overworked and underpaid AM Switch staff. So make that change in your AM Logs, please.

□ Stations reportedly OFF the air: WVOV-970 Danville, Virginia, KINF-1020 Roswell, New Mexico and WHAP-1340 Hopewell, Virginia. Back ON: WGTA-950 Summerville, Georgia and WALD-1080 Walterboro, South Carolina. Plus several New Orleans-area stations have returned, some on the WWL / United Broadcasters of New Orleans 'network'.

□ Thanks to Shawn Axelrod, Perry Crabill, Wayne Heinen, and Deane McIntyre. See you in ONE week!!

GRAVEYARD DX UPDATE

1230 kHz:			Miles
WKLK MN Cloquet	Carl Dabelstein	Lincoln, NE	462
KTNC NE Falls City	Carl Dabelstein	Minneapolis, MN	360
KGRO TX Pampa	Carl Dabelstein	Omaha, NE	(Tie) 471
KWTX TX Waco	Carl Dabelstein	Lincoln, NE	643
ZBM1 BER Hamilton	Carl Dabelstein	Omaha, NE	(Tie) 1831

1240 kHz

KXIT TX Dalhart	Carl Dabelstein	Phoenix, AZ	567
-----------------	-----------------	-------------	-----

1340 kHz

KGLW CA San Luis Obispo	Carl Dabelstein	Phoenix, AZ	*504
KSGT WY Jackson	Carl Dabelstein	Lincoln, NE	747

1400 kHz

KCLA AR Pine Bluff	Carl Dabelstein	Lincoln, NE	523
--------------------	-----------------	-------------	-----

1490 kHz

WTUP MS Tupelo	Carl Dabelstein	Lincoln, NE	*629
----------------	-----------------	-------------	------

TOTALS:

	1230	1240	1340	1400	1450	1490	TOTAL
Carl Dabelstein Tucson/Phoenix, AZ	10	12	14	10	14	11	71
Bert New Watkinsville, GA	4	0	0	1	0	0	5

## Domestic DX Digest

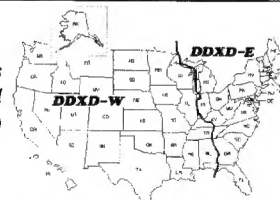
West: Bill Dvorak westlogs@aol.com

501 Algoma St. - Madison, WI 53704-4812

East: Ginnie Lupi DDXD-E@nycap.rr.com

PO Box 4404 - Clifton Park, New York 12065-0853

(Division line is  
between East and  
Central time zones)



**DX Catches in the U. S. and Canada, with 24-hr. ELT**

## DDXD-West

FROM THE VAST WESTLAND

- If spring is the time when a young man's fancy turns to the thoughts of love, then certainly fall is the time when an AM DXer's fancy turns to the thoughts of distant stations!
- Since this is the first issue of Volume 73 and we are back to weeklies, it is the perfect time to remind contributors of a few basic rules. Please report all times in Eastern Local Time, or ELT (currently Eastern Daylight Time). Loggings should be timely—this means they should be no more than two weeks old when I receive them. Report only DX—if you can hear a station many, or even several, times a year, it is not really DX. Make your loggings readable—do not overdo the abbreviations. Deadlines for DDXD-West are every Thursday at 1300 ELT for Internet mail, and Thursday's delivery for USPS mail.
- A reminder, too—if you have registered for e-DXN, you no longer have to wait for more than a week to see your loggings in column form. Paul will be posting all columns soon after he assembles DXN, moving timeliness up by over a week.
- I took over this column halfway through Volume 72. Since then, I have had the pleasure of receiving loggings from and working with 34 individual **Vast Westlanders**, and have made some great new friends along the way. I thank you all very much! I would love to hear from more of you—come join the fun! Here's looking forward to a productive, successful new season! 73 Bill

Reporters

DP-HI	Dale Park, Honolulu. Sangean ATS-818CS, Terk AM1000 loop.
DP-HI*	Dale Park, DXing in East Honolulu. Honda car radio.
GH-IL	Greg Harris, Park Forest. FRG100B with Quantum loop.
JJR-WI	John J. Rieger, South Milwaukee. Icom IC-R75, Kiwa loop, MFJ-959B tuner-preamp.
JV-KY	John F. Vervoort, Madisonville. Grundig YB 400PE.
RT-MN	Rick Turner, Bemidji. YB400PE, Select-A-Tenna 541.
WH-CO	Wayne Heinen, Aurora. Drake R8B, Super Phaser, E/W Flag N/S Flag Modified NRC Altazimuth loop.
Ed.-WI	Your editor, Madison. Drake R8B, Quantum QX Pro loop.

Station News

800 WSHO LA New Orleans. 9/16 2203. Fair and in the clear, // WWL 870. CBS news just ending, into local news by a woman, ID "WWL and the United Radio Broadcasters of New Orleans." After being knocked off the air by Hurricane Katrina,

this station returned to the air on or around 9/14, and joined the group of New Orleans stations relaying WWL emergency programming. (Ed.-WI)

**870 KHNR HI Honolulu.** Per www.hawaiiradiotv.com, the calls KHNR and Newstalk format returned to the AM band in mid-August, replacing the KAIM calls and Classic Country format on 870. Back on January 3, KHNR, then on 650, was sold to become KRTR, with its Newstalk format remaining on former simulcast KHNR-FM 97.5. At that time, KAIM 870 switched from religious talk and teaching to classic country, the format that has now been dropped. Slogan for the new KHNR pair is "Hawaii's FM Talk, Where Your Opinion Counts." With this latest changeover the KAIM calls disappear from medium wave after nearly 50 years. (DP-HI)



**1370 KUPA HI Pearl City.** Per Honolulu Star-Bulletin, station "tweaked" its format in early August by dropping the traditional Hawaiian music. It now plays Hawaiian AC oldies by what seems to be the same 10 recording acts (Cecilio and Kapono, Kalapana, Beamer Brothers, Olomana, etc.). Slogan is "K-Hui" ("hui" is Hawaiian for association or group). (DP-HI)

**1490 KQDS MN Duluth.** Adds Air America Radio, per "Al Franken Show" of 9/6. (DP-HI)

Presumed, Tentative, UnID

**NOTE TO e-DXN USERS:** If you know the identity of stations listed in this section, please post a reply to this column with the relevant information. We now have the capability of IDing these postings with a speed only imagined in print-only DX News days. (Ed.-WI)

**610 UNID 9/9 0255.** Up briefly with "Sporting News Radio" ID and a series of ads before being lost to KDAL. Best guess is that this might be KCSP Kansas City MO, as the radio was aligned N-S, and conditions to the south have been very favorable for the last few days. (RT-MN)

**610 KCSPt MO Kansas City.** 9/11 2342. "610 Sports" by a male announcer. Ad mentioning Kansas City, and Sporting News Radio format. Good signal, but 1 hour of listening and no ID. (GH-IL)

**1150 UNID 9/17 0300.** "This is the Dodgers' Radio Network Westwood 1 West Coast feed KFWB origination" and tones all night long. Looked for the answer in Barry's column and on line and never found anything. My guess is KDEF. (WH-CO)

**1510 UNID 8/21 0256.** Light mariachi music, sounded kind of strong. Man with talk, fade at 0258, then back in with woman with possible ID; woman and man with promo over bed of romantica music. Poor to very poor; over KGA. (DP-HI\*)

**1530 UNID 8/21 0305.** Mexican music in slop of KREA 1540; no sign of KFBK. KGBT? Very poor. (DP-HI\*)

**1570 UNID 8/21 0306.** Nortena music over/under KUAU-HI. KTGE or KCVR? Good to poor. (DP-HI\*)

**1590 KLIVt CA San Jose.** 8/21 0303. Probably them with CNN Radio news // KKEA 1420. Their offices happen to be almost across the street from KAZA-1290's. Very poor; over/under KKZZ-CA. (DP-HI\*)

Regular DX Loggings (times in ELT)

**580 KMJ CA Fresno.** 9/6 0055. Noted in passing with network ads, back to "Hugh Hewitt Show." Stronger than KFI 640, but soon smothered by KSSK 590 splatter. Good to very poor. (DP-HI\*)

**580 WGAC GA Augusta.** 9/15 0648. Fair-to-strong with announcement of Newstalk lineup for the rest of the hour. Alone. (JJR-WI)

**590 KXSP NE Omaha.** 9/18 0001. "Bigsports 590 KXSI" by a male announcer. Good signal, some slight splatter from WKZO. (GH-IL)

**640 KFI CA Los Angeles.** 8/21 0254. Noted in passing with Art Bell seven seconds behind KQNG 570, KPUG 670, KAOI 1110. Are they back to 50 kW? Fair. (DP-HI\*)

**660 KTNN AZ Window Rock.** 9/15 0712. Poor-to-fair with Navajo chanting, ID "AM 660 KTNN" into news on Navajo Nation in EE and Navajo. Alone. (JJR-WI)

**690 WTIx LA New Orleans.** 8/29 0400. Live talk coverage of Hurricane Katrina. Never logged here before so I assume using day facility. (WH-CO)

**690 KOAQ NE Terrytown.** 9/15 0711. Poor, with calls, oldies. (JJR-WI)

**730 WOHS NC Shelby.** 9/15 0640. Poor in CKDM null. Sports, local ads, "North Carolina News Network" mentions. No calls heard. (JJR-WI)

**750 KOAL UT Price.** 9/3 0100. Noted in passing much stronger than I remember, with Coast to Coast. (WH-CO)

**790 WMC TN Memphis.** 9/12 0144. "This is Sportsradio WMC." Poor signal, mixing with an unID gospel station, and at least one other unID. (JV-KY)

**790 WKRD KY Louisville.** 9/21 2200. "Kentucky's new home for NASCAR racing, (missed) Extra Sports 790" by a male announcer. Note: they used this as a ToH ID and didn't bother with a callsign. Some WBBM slop but decent signal. (GH-IL)

**1140 KNWQ CA Palm Springs.** 9/16 0705. Quick "AM 1140 Knews" slogan into ad for Palm Springs restaurant. First time here for this one. (WH-CO)

**1160 KHPP IA Waukon.** 9/9 2259. ESPN promos, way under WYLL. Legal ID came through clearly in dead air following WYLL legal ID. Needed call change, ex-KNEI. (Ed.-WI)

**1190 KXKS NM Albuquerque.** 8/24 0800. Either sign-on or power-up, straight to religious programming. Rare here. (WH-CO)

**1210 WLDR MI Kinglsey.** 9/10 0724. "Here at WLDR AM and FM we are looking for..." by a male announcer. Came up out of the mud long enough for the ID and then faded back into the mud. (GH-IL)

**1240 WATT MI Cadillac.** 9/17 2259. Poor in WHFA null, with legal ID audible when WHFA's ID slot was occupied by dead air only. (Ed.-WI)

**1270 WLIK TN Newport.** 9/15 0625. Poor with calls over an unID station. (JJR-WI)

**1290 KIVY TX Crockett.** 9/5 2200. Nostalgia format with ToH ID. Not often heard and dominant most of the morning. (WH-CO)

**1390 WTJS TN Jackson.** 9/15 0700. Poor in WGRB null. "America in the Morning" followed by full ID and Fox news. (JJR-WI)

**1390 WTJS TN Jackson.** 9/17 2234. "On WTJS.com" by a male announcer as part of an ad. Difficult copy under local WGRB. (GH-IL)

**1450 KWHW OK Altus.** 9/19 0000. New for me. Popped up with female "AM1450 KWHW Altus." Thought it was KWBW, but replay was this! (WH-CO)

**1510 KGA WA Spokane.** 9/13 0800. "KGA First News This Morning" with male and female hosts, second woman with news, second man with sports; weather report including temperatures in Spokane and Coeur d'Alene. KUMU 1500 not much of a factor because, for some reason, late at night KUMU is off a half hour with dead air, on a half hour with talk programming. Fair to poor. (DP-HI)

**1550 KLFJ MO Springfield.** 8/24 2302. Branson Visitor Center spots. No ID heard, but verification back already. New for me. (WH-CO)

**1550 KYAL OK Sapulpa.** 8/25 0500. "WWLS 640 the Sports Animal," then KYAL Sapulpa ID, mixing with KZRK. Another new one. (WH-CO)

**1570 WPTW OH Piqua.** 9/5 0313. Poor; calls into ads. Not heard here in a while. (JJR-WI)

**1580 KBLA CA Santa Monica.** 8/21 0302. Noted loud in passing with ranchera waltz music. Fair; KMKY-AZ underneath. (DP-HI\*)

**1620 WNRp FL Gulf Breeze.** 9/18 0143. "You're listening to Pensacola's home of classic country, AM Sixteen-twenty." (JV-KY)

TIS, HAR, Etc.

**1620 CO Aurora.** 9/11 1740. Talking House, 4297 S Argonne Street, a block up the street. (WH-CO)

**1620 CO Aurora.** 9/11 1750. Talking House, 4384 S Biscay Way three blocks away, signal from the other house was phased to hear the full address ID. (WH-CO)

**The NRC AM Radio Log, 26th Edition,** including cross-referenced listings from 530-1700 khz., is compiled from both listeners' reports and official sources, making it the most accurate listing of U. S. and Canadian AM stations available. Unbound, three-hole punched for standard binders. \$19.95 to U. S. members; \$25.95 to U. S. non-NRC members; to Canadian members, \$23.00 (\$29.00 to non-NRC members). Airmail to members in western Europe (except Italy) and Australia, New Zealand, and Japan: \$29.00. All others contact us for exact prices. Order from: NRC Publications - Box 164 - Mannsville, NY 13661 (NY residents, please add sales tax).



# International DX Digest

**Foreign DX Catches. Times are UTC; for ELI, subtract 5 hrs.**

Thanks to an historic x-class flare, historic because it's at the bottom of the sunspot cycle, DXers enjoyed some fantastic auroral conditions. The flare wasn't a direct hit, only a glancing blow, just enough to make it interesting.

Now solar conditions are settling down, which might result in some interesting transoceanic DX as the ionosphere returns to normal.

## Transatlantic DX

- 162 **FRANCE** *France-Inter*, Allouis (47°10'N 02°12'E) SEP 6 2257 - French music; fair. [Connelly-MA]
- 183 **GERMANY** *Europe No. 1*, Felsberg (49°17'N 06°41'E) SEP 6 2256 - Man and woman with telephone interview in French; good, best longwave TA at the time. [Connelly-MA]
- 711.05 **WESTERN SAHARA** *RTM Addakhia* (23°42'N 15°56'W) SEP 6 2303 - Arabic male chorus; light audio on good carrier. [Connelly-MA]
- 783 **MAURITANIA** *R.Mauritanie*, Nouakchott (18°07'N 15°57'W) SEP 6 2312 - Parallel 4845 with man in Arabic; good, way over unID music station (likely Portugal). SEP 7 0021 - Man in Arabic; excellent. [Connelly-MA]
- 837 **AZORES** *Centro Regional da RDP*, Pico da Barrosa SEP 7 0013 - Portuguese talk; mixed with Spain-Canaries. [Connelly-MA]
- 837 **CANARY ISLANDS** // **SPAIN** *COPE* synchros SEP 7 0013 - Spanish talk; over/under Azores. [Connelly-MA]
- 890.95 **ALGERIA** *Chaîne 1*, Algiers (36°40'N 03°09'E) SEP 7 0055 - Group vocal; low modulation on huge carrier. [Connelly-MA]
- 981 **ALGERIA** *RTVA Chaîne 2*, Algiers (36°40'N 03°09'E) SEP 6 2317 - End of vocal, then woman in Arabic; fair. [Connelly-MA]
- 999 **SPAIN** *COPE* Madrid (40°28'N 03°52'W) SEP 6 2318 - Man in Spanish; good, over others. [Connelly-MA]
- 1008 **CANARY ISLANDS** *Punto Radio*, Las Palmas SEP 6 2319 - Two men in Spanish; slightly over *SER* stations. [Connelly-MA]
- 1044 **MOROCCO** *Sebaa-Aioun* (33°54'N 05°23'W) SEP 6 2322 - Repetitive Berber tribal music with shouts / chant and tin-pot banging. Loud! [Connelly-MA]
- 1152 **SPAIN** *RNE5* synchros SEP 6 2333 - Woman in Spanish; stronger than adjacent 1150 domestics WTTT, CHGM, and WMRD. [Connelly-MA]
- 1206 **FRANCE** *France Info*, Bordeaux (44°57'N 00°11'W) SEP 7 0106 - Romantic French vocal; good. [Connelly-MA]
- 1296 **SPAIN** *COPE* Valencia SEP 7 0107 - Fast Spanish talk by man; fair. [Connelly-MA]
- 1422 **GERMANY** *Deutschlandfunk*, Heusweiler (49°21'N 06°55'E) SEP 6 2352 - Classical music; fadey. Second station, presumably Algeria, mixing at times. [Connelly-MA]
- 1521 **SAUDI ARABIA** *BSKSA* Duba (27°20'N 35°45'E) SEP 6 2243 - Parallel 9555 and 9870 with pop Arabic music, female talk; to fair peak. [Connelly-MA] SEP 10 0205 - Pre-sign on het burying 1520 WWKB. [Conti-NH]
- 1548 **KUWAIT** *R.Sawa*, Kabd-Kuwait City (29°10'N 47°32'E) SEP 6 2348 - Arabic talk by woman; fair, over possible UK. [Connelly-MA]
- 1584 **CEUTA** *RadiOlé*, Ceuta (35°53'N 05°17'W) SEP 6 2246 - Fair with tropical Spanish music. SEP 7 0110 - Spanish dance music; excellent. [Connelly-MA]

*Jim speaks:* I was in Madeira and Portugal at the end of August. Although I did not give serious attention to medium wave on Madeira (assisted by my suitcase with the Radio West loop antenna inside being lost for two days after our arrival), here are some of the things I noted on the Sony 2010: The car radios were terrible. For example, in Lisbon receptions were limited day and night to 594, 666, 963, and 1035. In Madeira, using the Sony and loop, the band was awash with Iberian stations, some of which were probably Canary Islands or Azores. The only African sig-

**Bruce Conti** nrcidxd@aol.com  
46 Ridgefield Drive  
Nashua, NH 03062-1174

SÜD TIROL  
heute

nals noted at night were Morocco on 711 and 1044, Algeria 891 (terrible quality) and Guinea on 1385.9 (very strong). Madeira stations were noted on 531, 603, and 1530. The 1530 station is PEF, which also broadcasts on 92.0 FM. Back home, some LW signals have been noted in the last couple weeks, particularly 162 kHz, but until I get the Beverage out into the field there's not much hope for TA signals yet. It's OK to spread some wire in the wheat field stubble (just got the word from my church member who manages the fields for Elbrooke Farms), but there's one last sprayer passing through in a week or two, so I'll have to reel it in one more time, but then I think I'm all set until April or May.

## Pan-American DX

- 530 **TURKS & CAICOS** *R.Visión Cristiana Internacional*, South Caicos SEP 7 0043 - Spanish religious music; local-like. [Connelly-MA]
- 540 **COLOMBIA** *HJKA R.Auténtica*, Bogotá (04°36'N 74°05'W) SEP 16 0110 - Fair; presumed with Spanish contemporary Christian music, received often but rarely with an ID. [Conti-ME]
- 555 **ST. KITTS & NEVIS** *ZIZ* Basseterre (17°19'N 62°44'W) SEP 7 0042 - Soca and reggae; good, through WGAN slop. [Connelly-MA]
- 570 **DOMINICAN REPUBLIC** *HIMS R.Cristal*, Santo Domingo (18°29'N 69°51'W) SEP 17 0054 - Fair, over *R.Reloj* Cuba; "La estación de... y alegría... Radio Cristal," and salsa oldies. [Conti-ME]
- 580 **PUERTO RICO** *WKAQ R.Reloj*, San Juan (18°26'N 66°08'W) SEP 16 0117 - Excellent; in-studio political discussion, *R.Reloj* jingle and ID, "...en WKAQ ...la autoridad de noticias." [Conti-ME]
- 600 **BRAZIL** *ZYK278 R.Gaúcha*, Porto Alegre (30°02'S 51°12'W) SEP 16 0155 - Good; sports commentary in Portuguese parallel 11915 kHz. [Conti-ME]
- 600 **PUERTO RICO** *WAEI* Mayagüez (18°11'N 67°10'W) SEP 16 0202 - Fading up over Brazil; "Esta es WAEI, Mayagüez, Puerto Rico, Radio 600 AM con cinco mil watios de potencia," and nostalgia. SEP 17 0730 - Good, over *R.Rebelde* Cuba; "Esta es Wael, Radio 600 AM," and nostalgia. [Conti-ME]
- 610 **CUBA** *CMAN R.Rebelde*, Bahía Honda (22°53'N 83°09'W) SEP 16 0150 - Fair, over unID Latin American signals; sports commentary parallel 5025 kHz. [Conti-ME]
- 610 **VENEZUELA** *YVXY R.Centro*, Cantaura (09°19'N 64°22'W) SEP 17 0718 - Fair; UTC-4 time check "...en Radio Centro," tropical music. [Conti-ME]
- 620 **MEXICO** *XEBU* Chihuahua, CHIH (28°41'N 106°07'W) SEP 14 0355 - Ranchera music; seemed to be a full ID at 0401 but signal was in a fade and did not copy much; more ranchera and norteña tunes followed, with frequent "La Nortanita" slogans; no top of the hour ID noted at 0500. Over/under KTAR, with an occasional good peak. [Wilkins-CO]
- 630 **PUERTO RICO** *WUNO* San Juan (18°26'N 66°07'W) SEP 16 0152 - Good, over WPRO; *NotiUno* promos. [Conti-ME]
- 640 **GADELOUPE** *R.Guadeloupe*, Pointe-à-Pitre (16°15'N 61°32'W) SEP 7 0044 - French teletalk; good, over Spanish-language stations. [Connelly-MA]
- 640 **MEXICO** *XEJUA* Cd. Juárez, CHIH (31°45'N 106°29'W) SEP 13 0226 - Vocal music, followed by canned ID at 0229 "Esta es XEJUA-AM, transmitiendo en 640 kHz de amplitud modulada con 5000 wats de potencia, con estudios y oficinas en Privada Agustin Lara No. 3, Colonia 5, desde Ciudad Juárez, Chihuahua, México. Radio Recuerdo, una emisora..." and back to music. Fair/poor in KFI null. [Wilkins-CO]
- 650 **COLOMBIA** *HJKH RCN Antena Dos*, Bogotá (04°34'N 74°04'W) SEP 7 0040 - Lots of talk about Uruguay had me thinking Montevideo, but then there was an RCN ID. [Connelly-MA] SEP 16 0206 - Excellent; "RCN la radio de Colombia" jingle in ad string. [Conti-ME]
- 650 **MEXICO** *XETNT* Los Mochis, SIN (25°49'N 109°04'W) SEP 14 0310 - Call-in talk show; ID at 0323 "...XETNT de los inventores de la radio que habla y escucha. Promoted introduce a Radio 65 desde 1975 como la primera estación que informa y entretiene. Cabina en Callejon Sinaloa 442 Poniente, telefono 812-00-65. Atiendo las necesidades de nuestra gente..."; several ads followed, then back to talk at 0325. Good signal, dominating 650 kHz. [Wilkins-CO]
- 660 **VENEZUELA** *YVNA Ondas de los Médanos*, Coro (11°25'N 70°30'W) SEP 17 0005 - Good; sports news, "Tu radio popular" slogan in promos. [Conti-ME]
- 670 **CUBA** *R.Rebelde*, Arroyo Arenas (23°00'N 82°30'W) SEP 16 0130 - Good; sports commentary parallel 5025 kHz. [Conti-ME]
- 670 **VENEZUELA** *YVLL R.Rumbos*, Caracas (10°29'N 66°59'W) SEP 7 0034 - Uptempo music, then talk "estudios de Radio Rumbos en Caracas"; good. [Connelly-MA] SEP 17 0026 - Good, over *R.Rebelde* Cuba; signature doorbell attention signals between news reports. [Conti-ME]
- 700 **VENEZUELA** *YVMH R.Popular*, Maracaibo (10°39'N 71°37'W) SEP 16 0254 - Fair, over pre

10  
sumed *R.Córdoba* Argentina; "...por Radio Popular" in promo, sports news. [Conti-ME]  
720 **BRAZIL** ZYK276 *R.Guaiba*, Porto Alegre (30°02'S 51°12'W) SEP 17 0747 - Good; "La música, la Guaiba," and light vocals. [Conti-ME]  
720 **VENEZUELA** YVQE *Oriente 720*, Porlamar (10°56'N 64°12'W) SEP 7 0045 - Oriente ID; loud, crushing CHTN. [Connolly-MA] SEP 16 0301 - Good; "Radio Venezuela... cadena nacional" promo. At 2325 good, over Brazil; Notaria Zulía. [Conti-ME]  
730 **TRINIDAD & TOBAGO** Port of Spain (10°37'N 61°30'W) SEP 16 2320 - Good; *BBC World Service* parallel 5975 kHz. [Conti-ME]  
740 **BRAZIL** ZYH446 *R.Sociedade da Bahia*, Salvador (12°57'S 38°30'W) SEP 7 0051 - *R.Sociedade da Bahia* ID, Portuguese talk, sound effects including music from "Close Encounters"; dominant for a while until CHCM took over. [Connolly-MA] SEP 16 2311 - Good; Sociedade ID, quickly lost to Venezuela. [Conti-ME]  
740 **VENEZUELA** YVNO *R.Caróni*, Puerto Ordaz (08°15'N 62°42'W) SEP 16 2315 - Good; "Radio Caróni, 740, con el sonido AM digital," reggaeton and rap music. [Conti-ME]  
750 **COLOMBIA** HJLH *La Voz de Yopal*, Yopal (05°17'N 72°17'W) SEP 17 0900 - Fair; "RCN La Voz de Yopal" ID with mention of potencia and several locations "...en todo del norte." [Conti-ME]  
750 **VENEZUELA** YVKS *RCR* Caracas (10°29'N 67°00'W) SEP 16 2247 - Good; "Play ball!" in RCR Deportes promo. [Conti-ME]  
760 **COLOMBIA** HJAJ *RCN Barranquilla* (10°53'N 74°49'W) SEP 7 0027 - "La radio de Colombia" jingle; in mix with two or three others. [Connolly-MA] SEP 16 0303 - Good; "RCN 2005" promo, "RCN la radio de Colombia" jingle. [Conti-ME]  
770 **MEXICO** XEJR *Los Mochis*, SIN (25°49'N 109°01'W) SEP 11 1219 - Silly Spanish rap and rock songs; "Radio Volucion 77" slogans... at least it sounds like Volucion although it's probably "Revolucion" with the first syllable muted; at any rate it's a new slogan, ex-*Radio Zon*; 1223 ad or PSA for "Promored Ayuda 2005"; another at was followed by more music. Good on peaks with fading; no sign of KKO. [Wilkins-CO]  
770 **VENEZUELA** YVKK *R.Nacional*, Valencia (10°10'N 68°00'W) SEP 16 0250 - Fair, over RCN Colombia; "RN de noticias" or "RNV Noticias" and news. [Conti-ME]  
780 **MEXICO** XEMF *R.Nostalgia*, Monclova (26°56'N 101°27'W) SEP 13 0153 - Romantic vocals, CDT time checks, male announcer; canned IT at 0157:55 "Esta es XEMF, Radio Nostalgia, La Primera Estacion, 780 kHz en amplitud modulada, 10000 wats de potencia, transmitiendo desde las Calles Puebla y Washington, Colonia Guadalupe, Monclova, Coahuila. Telefono 637-19-09. Una estacion de Nucleo Radio (?)," then more music. Fair/good with fades and static noise. [Wilkins-CO]  
780 **VENEZUELA** YVMN *R.Coro*, Coro (11°23'N 69°40'W) SEP 7 0020 - Excited Spanish talk, Coro mention; over apparent ZBVI (soul music). [Connolly-MA] SEP 14 0010 - Various promos, including mention of baseball, lots of IDs, destroying WBBM. There was another signal causing a blobby het on the low side, but it soon disappeared leaving Coro all alone. [Renfrew-NY] SEP 16 0320 - Good; national political speech parallel other Venezuela signals. [Conti-ME]  
789.9 **BARBADOS** Vof *Barbados*, Bridgetown (13°05'N 59°36'W) SEP 7 0018 - Caribbean soca music, low-pitched growl; way under WSKO. [Connolly-MA]  
790 **CUBA** CMAQ *R.Relej*, Pinar del Río (22°25'N 83°43'W) SEP 16 0158 - Poor, but dominant. [Renfrew-NY] SEP 16 0243 - Topping jumble of unID Latin American signals and WSKO. [Conti-ME]  
790 **VENEZUELA** YVKC *R.Venezuela*, Caracas (10°28'N 66°47'W) SEP 17 0043 - Fair, over *R.Relej* Cuba; "En todo Caribe transmite..." and *R.Venezuela* promo. [Conti-ME]  
800 **NETHERLANDS ANTILLES** PJB *TransWorld Radio*, Bonaire (12°06'N 68°17'W) SEP 7 0016 - Portuguese preaching; way over WNNW. [Connolly-MA]  
810 **COLOMBIA** HJCY *CARACOL* Bogotá (04°40'N 74°11'W) SEP 17 0058 - Fair, over CJVA; "Caracol... AM Bogotá, Caracol." [Conti-ME]  
820 **CUBA** *R.Relej*, unknown site SEP 16 0240 - Good; man and woman with news items, synco-pated clock, RR code IDs, etc. [Conti-ME]  
820 **ST. KITTS & NEVIS** TBN / *R.Paradise*, Charlestown (17°08'N 62°37'W) SEP 7 0014 - Southern US accented preacher; over Cuban *Relej* and low growl, no sign of domestics. [Connolly-MA]  
830 **CUBA** *R.Relej*, Holguín (20°54'N 76°14'W) SEP 16 0200 - Weak, but code made it through the domestics on channel. [Renfrew-NY]  
840 **BRAZIL** ZYK687 *R.Bandeirantes*, São Paulo (23°32'S 46°37'W) SEP 6 2314 - *Bandeirantes* ID, Portuguese talk by man with São Paulo mentions; fair, dominating the channel. [Connolly-MA]

840 **PUERTO RICO** WXEW *R.Victoria*, Yabucoa (18°03'N 65°52'W) SEP 17 0852 - Good; "...por Radio Victoria, la reina del Caribe," and romantic vocals. [Conti-ME]  
860 **MEXICO** XENL *Monterrey*, NL (25°45'N 100°23'W) SEP 13 0324 - Música romantica; male announcer with slogan and request phone number (83-87-486); canned ID at 0331 "Esta es XENL-AM transmitiendo en 860 kHz de amplitud modulada con 5000 wats de potencia, con estudios y oficinas en Paricutin 316 Sur, Colonia Roma, desde Monterrey, Nuevo Leon, México. Radio Recuerdo, una emisora de Multimedios Radio," followed by more songs and slogans; tuned out at 0343. One good peak at ID time, otherwise buried and mixing with others. A new one here, XE #209. [Wilkins-CO]  
870 **CUBA** CMDT *R.Relej*, Sancti Spíritus (21°56'N 79°26'W) SEP 14 0409 - WWL appeared to be back with a full signal, but there was Relej underneath, like clockwork! [Renfrew-NY]  
880 **VENEZUELA** YVYM *R.Venezuela*, Puerto Ordaz (08°15'N 62°42'W) SEP 16 0306 - Good; national political speech parallel 720 kHz. SEP 17 0107 - Good; live lottery numbers drawing, "hora Venezuela" time check. [Conti-ME]  
880 **VENEZUELA** unID SEP 7 0012 - One of the YV's here with Spanish talk, Venezuela mentions; with other Latin Americans and WCB. [Connolly-MA]  
890 **CUBA** CMDZ *R.Progreso*, Chambas (22°11'N 78°54'W) SEP 14 0820 - Music program, "RP" ID heard, same thing on 900 kHz. [Renfrew-NY]  
890 **VENEZUELA** YVLW *R.America*, Valencia (10°10'N 68°00'W) SEP 16 0228 - ID and time check through an unID strong open carrier. [Conti-ME]  
895 **ST. KITTS & NEVIS** VON Bath Village (17°07'N 62°37'W) SEP 7 0011 - Local political talkshow with discussion about child abuse; very good signal. [Connolly-MA] SEP 13 0014 - Carib accent English. First reported by Mike Bugaj in WTFDA-AM. Weak. [Renfrew-NY]  
900 **BARBADOS** CBC *Bridgetown* (13°05'N 59°36'W) SEP 16 0220 - Fair, competing with Venezuela and unIDs; steel band and soca music. SEP 17 0847 - Fair, over Venezuela; steel band instrumentals. [Conti-ME]  
900 **VENEZUELA** YVMD *Ritmo 900*, Maracaibo (10°39'N 71°44'W) SEP 16 0230 - Fair; *Ritmo* ID. At 0309 national political speech parallel other Venezuela stations, mention of US and Pat Robertson in reference to "terrorismo internacional." [Conti-ME]  
910 **VENEZUELA** YVRQ *Caracas* (10°32'N 66°55'W) SEP 16 0233 - Good; "RQ 910 AM Center" ID and nostalgia. At 0309 national political speech parallel 720, 880, and 900 kHz. [Conti-ME]  
940 **CUBA** *R.Relej*, multiple sites SEP 13 0130 - Poor in an interesting mix of WMAC, WCPC (on late?), and another Spanish station. [Renfrew-NY]  
942 **CUBA** *R.Progreso*, unknown location SEP 16 0114 - First time I've heard this one, although reported by others (including Bruce, I believe) last season, parallel 890 kHz. [Renfrew-NY]  
950 **DOMINICAN REPUBLIC** HIG *R.Popular*, Santo Domingo (18°33'N 69°54'W) SEP 17 0845 - Fair, over *R.Relej* Cuba; time check with doorbells, romantic vocals. [Conti-ME]  
960 **VENEZUELA** *Llanera*, Acarigua (09°33'N 69°11'W) SEP 17 0112 - Fair, over unID Latin American signals; *Llanera* ID with Venezuela time check. [Conti-ME]  
1000 **BRAZIL** ZYK522 *R.Record*, São Paulo (23°33'S 46°38'W) SEP 16 0314 - Fair; fading up over Venezuela with telephone talk in Portuguese. SEP 17 0835 - Good; many São Paulo mentions in ads and talk, parallel 9505 kHz. [Conti-ME]  
1000 **COLOMBIA** HJAJ *RCN Cartagena* (10°30'N 75°26'W) SEP 7 0010 - RCN ID; over Brazil and Venezuela. [Connolly-MA] SEP 16 0115 - Very strong, most likely the usual visitor from Cartagena. [Renfrew-NY]  
1000 **VENEZUELA** YVNM *La Caribeña*, Morón (10°30'N 68°10'W) SEP 16 0324 - Good; end of national political speech with announcement from the Ministerio de Comunicaciones, then "alegría Caribeña" ID. [Conti-ME]  
1010 **BRAZIL** ZYH625 *Radio CBN*, Fortaleza (03°45'S 38°33'W) SEP 6 2319 - Probably this with Portuguese talk; in dogpile with a Spanish-language station (Venezuela?) and WINS. Strongly hetted by 1008 Canaries. [Connolly-MA]  
1020 **CUBA** *R.Relej*, unknown location SEP 16 0054 - The usual evidence of Relej, plus two other Spanish stations. One was likely Mundial as I heard mention of "Porlamar." Mike Bugaj tipped me on this in WTFDA-AM. [Renfrew-NY]  
1020 **VENEZUELA** YVRS *R.Mundial Margarita*, La Asunción (10°55'N 63°48'W) SEP 6 2320 - Rustic music, Mundial and Margarita mentions; dominant. [Connolly-MA]  
1039.6 **VENEZUELA** YVLB *La Voz de Carabobo*, Valencia (10°08'N 67°57'W) SEP 7 0005 - *La Voz de Carabobo* ID; hetting 1040 Latin Americans and CJMS. [Connolly-MA] SEP 17 0832 - Good; romantic vocals, easily separable from 1040 CJMS. [Conti-ME]  
1040 **PUERTO RICO** WZNA *Moca* (18°17'N 67°10'W) SEP 6 2322 - Leading the pack with Span

- ish talk containing Puerto Rico news items and adverts; over 1039.6 YVLB het and co-channel Brazil, Dominican Republic, and others. [Connelly-MA]
- 1050 **VENEZUELA** unID SEP 6 2330 - Tentative; Spanish talk with mentions of both Venezuela and Fidel Castro. Atop WEPN. Propagation is better to Venezuela than to Cuba during this immediate post-sunset period. [Connelly-MA]
- 1090 **COLOMBIA** unID SEP 16 0120 - Blasting through WBAL, but no ID, seemed to be a national program, with callers from different cities, such as Cartagena and Manizales. Perhaps Caracol, but no parallels spotted. [Renfrew-NY]
- 1090 **VENEZUELA** YVSZ *Unión R.*, Caracas (10°32'N 66°55'W) SEP 17 0130 - Good; "Centro de Noticias, Unión Radio" into titulares. [Conti-ME]
- 1100 **BRAZIL** ZYK694 *R.Globo*, São Paulo (23°32'S 46°37'W) SEP 7 0003 - Portuguese talk, São Paulo mentions; over low growl (Colombia). [Connelly-MA] SEP 17 0820 - Good; "Bom dia" birthday greetings, *Globo* jingle. [Conti-ME]
- 1100 unID SEP 7 0002 - US-accented religious talk; mixed with Latin Americans; WTAM phased. Something in the Caribbean perhaps? [Connelly-MA]
- 1110 **VENEZUELA** YVQT *R.Carupano*, Carupano (10°40'N 63°18'W) SEP 7 0057 - Talk "Transmite Radio Carupano"; over others. [Connelly-MA] SEP 17 0126 - Excellent; time check with jingle, then ID, "Desde Carupano, estado Sucre, República Boliviana de Venezuela, transmite Radio Carupano, 1110 kilohertz." [Conti-ME]
- 1130 **VENEZUELA** YVRL *R.Ideal*, Maiquetia (10°33'N 66°55'W) SEP 17 0132 - Fair, over WBBR; *R.Ideal* ID with fanfare. [Conti-ME]
- 1140 **VENEZUELA** *R.Porlamar*, Porlamar (10°57'N 63°51'W) SEP 6 2332 - Booming right in with clear "Radio Porlamar, la Voz del Caribe" ID. [Connelly-MA] SEP 17 0135 - Good; "Esta es Radio Porlamar, la voz del Caribe." [Conti-ME]
- 1150 **MEXICO** XESO Cd. Obregón, SON (27°30'N 109°59'W) SEP 10 1224 - Noted with ranchera selections, "La Poderosa" slogans. Generally fair; mixing with KDEF. New slogan, ex-*La Coqueta*. [Wilkins-CO]
- 1180 **VENEZUELA** unID SEP 6 2335 - Venezuela local news items; over growl and 1179 Canaries het. Three possible YVs listed. [Connelly-MA]
- 1200 **VENEZUELA** YVOZ *R.Tiempo*, Caracas (10°32'N 66°57'W) SEP 6 2356 - Folk style vocal, then *R.Tiempo* ID; over WKOX and apparent Brazilian. [Connelly-MA] SEP 15 2331 - Good; "Radio Tiempo, frecuencia 1200 AM," and folk music. [Conti-ME]
- 1220 **BRAZIL** ZYJ458 *R.Globo*, Rio de Janeiro (22°55'S 43°13'W) SEP 15 2315 - Good; signature reverberated *Globo* ID with whistles. [Conti-ME]
- 1270 **MEXICO** XEAZ Tijuana, BCN (32°32'N 117°03'W) SEP 11 1238 - Música romantica; program note for "Noti Trece al instante" on Sundays, "...en Zeta Trece, Radio Capital, un líder en acción"; another song was followed by another program note or two. Fair for a few minutes with little interference, then faded away. [Wilkins-CO]
- 1290 **VENEZUELA** YVLF *R.Puerto Cabello*, Puerto Cabello (10°27'N 68°06'W) SEP 15 2340 - Fair; "Radio Puerto Cabello, primer lugar de sintonía," and nostalgia. [Conti-ME]
- 1420 **VENEZUELA** YVNZ *Maribina* 1420, Maracaibo (10°45'N 71°38'W) SEP 16 0004 - Fair; shouting "¡Gol!" in fútbol play-by-play, "Maribina 1420 presenta..." promo. [Conti-ME]
- 1500 **VENEZUELA** YVRZ *R.Dos Mil*, Cumaná (10°24'N 64°09'W) SEP 16 0012 - Good, over unID Brazil; "Radio Dos Mil, transmite a continuación programa recreativo de información y opinión." [Conti-ME]
- 1510 unID AUG 21 0656 - Light mariachi music, sounded kind of strong; man with talk, then faded out 0658, then back with woman with possible ID; woman and man with promo over bed of romantica music. Poor to very poor; over KGA. [Park-HI]
- 1520 **PUERTO RICO** WVOZ *R.Voz*, San Juan (18°21'N 66°09'W) SEP 16 0018 - Good, over unID Spanish preacher; classic salsa, deep-voiced *R.Voz* IDs with raygun effects. [Conti-ME]
- 1529.54 **URUGUAY** CX50 *R.Independencia*, Montevideo (34°50'S 56°20'W) SEP 7 0109 - Tentative; bits of audio, het against WVBK/WCKY. [Connelly-MA] Constant het noted in Maine too, but couldn't extract audio. [Conti-ME]
- 1530 unID AUG 21 0705 - Mexican music in slop of 1540 KREA; no sign of KFBK. XEUR? Very poor. [Park-HI]
- 1540 **BAHAMAS** ZNS1 Nassau (25°00'N 77°21'W) SEP 16 0023 - Good, over WDCD; "Radio Bahamas, AM 1540, the national voice of the people," UTC-4 time check, and adult contemporary music. [Conti-ME]
- 1549.76 unID SEP 6 2347 - Het against 1550 WDZK CT. [Connelly-MA]
- 1570 unID AUG 21 0706 - Norteña music over/under KUAU. XERF? Good to poor. [Park-HI]

## Contributors

Mark Connelly, Rockport MA (42°40'N 70°37'W); Drake R8A, DXP-6 phasing unit, 3-m whip (MFJ-1954) to DX Engineering AVA-1 buffer amplifier; broadband loop in vertical plane, square, 2 m per side, to 1:1 transformer to DX Engineering RPA-1 line amplifier, peak east-west, null north-south.

Bruce Conti, Nashua NH (42°43'N 71°31'W); R8B, MWDX-5, 15/23/15-m Ewe antennas east and south.

Bruce Conti, Camden ME (44°14'N 69°03'W); Drake R8B, MWDX-5, wires 800-m at 200° and 100-m at 140° south.

Dale Park, East Honolulu HI; Honda car radio.

Jim Renfrew, Byron NY (43°05'N 78°04'W); Drake R8B, 100-ft wire.

John Wilkins, Wheat Ridge CO (39°47'N 105°06'W); Drake R8, 4-ft box loop.

## International News

**ANTIGUA:** The mediumwave transmitter of the *Antigua & Barbuda Broadcasting Service* (ABS) is currently off the air following a fire which damaged the power supply. Although the blaze was put out by the fire service and the 10 kW transmitter in another building was undamaged, some wiring that carries power to the transmitter was burned out and needs to be replaced. ABS Chief Engineer Denis Leandro says transmissions on 620 kHz will resume when new wiring is in place. [Antigua Sun via R.Netherlands Media Network Weblog, Steve Whitt via Jim Renfrew, MWC]

**MEXICO:** 1380 XECO with a new slogan, 'La Ke-Buena 92.9'. The ID mentions 'La Ke-Buena noventa dos nueve... XECO AM... XEQ FM...' [James Niven, *Corazón DX*, *ABDX*]

**NEW CALEDONIA:** 729 Touhou newly commissioned, parallel to 666 Noumea. "I rang the CE of TDF in Noumea and he told me it was commissioned in the second week of September. Its location is on the northeast coast of New Caledonia." [Chris Martin, *Coastal Roundtable*]

**VENEZUELA:** Cadena Radio Continente: 590 YVKL *R.Continente*, Caracas; 680 YVQR *R.Continente Cumaná*, Cumaná; 970 YVLR *R.Continente Maracay*, Maracay; 1020 YVMX *R.Calendario*, Maracaibo; 1370 YVJI *R.Continente Cumbre*, Mérida. Affiliated stations: 880 YV. *R.Paraguana*, Punto Fijo; 1000 YVNM *R.Caribeña Mil AM*, Morón; 1280 YVQS *R.Zaraza*, Zaraza. [Radio Continente web site, ARC LA Info Desk]

73 and Good DX!

## Volume 72 Index

Here's the annual column which is about as exciting as watching a tower not collapse. Dates are by issue #/page #; errors are regretted and never intentional.

**Title** ..... **Author** ..... **Date**

**Station lists**  
Boston Area Low-Power Stations Bruce Conti 17-5  
FCC List of Digital-Authorized Stations .. Bill Hale ..... 4-18  
Silent Stations ..... Wayne Heinen ..... 28-19

**Technical**  
Dummies Guide to Wall Warts .... John H. Bryant, Bill Bowers ..... 17-15  
RF Preamps John H. Bryant, Mark Connelly 30-27

**Antennas**  
Building Antenna Splitters . John Bryant, Bill Bowers ..... 18-15  
DX'ing with Beverages John H. Bryant. 24-42  
K9AY Antenna ..... Steve Whitt ..... 30-33

**Publications**  
2005 Tower Site Calendar Scott Fybush .. 11-1  
All Radio, Vol. 2 ..... Fred Vobbe ..... 14-1  
Get the Best from the 2010/2011D ..... Steve Whitt ..... 26-35

**Propagation**  
Geomagnetic Summary Phil Bytheway 20-20, 30-32  
November 9-10 Aurora Bruce Conti ..... 8-13  
Sea Gain ..... Mark Connelly ..... 29-32

Signal Strength Web Site Mark Connelly 30-25

**Domestic**  
DX'ing the Graveyard Channels Les Rayburn 24-31  
WBIX ..... Andrew Caffrey ..... 12-3  
WBZ-David Brudnoy Bruce Conti, Scott Fybush ..... 12-20  
WCBG ..... Don Aines ..... 1-34  
WCCO ..... via George Grotzbach ..... 2-14  
WMSK ..... via Pat Griffith ..... 8-4  
WRAG ..... Matt Ehlers ..... 17-21  
WSMN ..... Scott Brooks ..... 20-13

**Foreign**  
Grayland Fall DXpedition Chuck Hutton, Bruce Conti ..... 7-21  
LBI-3 DXpedition Russ Edmunds, ed. .... 12-12  
Miscou Island, NBBrent Taylor, Neil Wolfish 4-11  
Newfound DXpedition #14 .... Jim Renfrew 22-17  
South Atlantic DXpedition . Rocco Cotroneo 4-10  
Cape Cod DX GTG Mark Connelly ..... 5-12

**NRC Columns and Stuff**  
Confirmed DX'er Greg Myers, Harry Helms 4-8, 12-22, 17-20, 24-46, 26-32, 27-19, 29-31  
CPC Report ..... Fred Vobbe ..... 13-5, 22-1  
DDXA ..... Paul Swearingen 8-10, 16-9  
DX'er's Notebook . Dave Braun 4-19, 6-13, 7-15  
e-DXN Announcement Paul Swearingen 30-1  
Flash Alert Postcard System ..... Les Rayburn 6-1  
For Beginners ..... Greg Harris 29-23, 30-12  
Formats ..... Wayne Heinen 7-18, 14-14,

17-14, 24-30  
GYDXA-1230 ..... Bill Hale ..... 20-16  
GYDXA-1240 ..... Bill Hale ..... 22-28  
GYDXA-1340 ..... Bill Hale ..... 24-37  
GYDXA-1400 ..... Bill Hale ..... 28-30  
GYDXA-1450 ..... Bill Hale ..... 29-26  
GYDXT ..... Bill Hale ..... 14-12  
GYXA-1490 ..... Bill Hale ..... 1-21  
IDXA ..... Paul Swearingen 16-11, 24-45  
Memory Dredging John Callarman ..... 29-24  
NRC 2003-04 Financial Report .... Dick Truax 12-21  
NRC Contest ..... Wayne Heinen 8-14, 16-10, 20-12, 24-29, 25-8, 28-8, 30-20  
NRC Convention: Batavia '04 .... John Malicky 1-26  
NRC Convention: Batavia '04 .... Paul Mount 2-13  
Professional Sports Networks Barry S. Finkel 1-14, 4-3, 5-4, 7-13, 24-22, 25-22, 26-32, 27-20, 28-28, 29-22, 30-22  
Target DX ..... R. J. Edmunds 18-21, 20-14, 21-12, 22-33, 25-33, 27-21, 30-24  
Vol. 71 Index ..... Paul Swearingen ..... 1-2

**Miscellaneous**  
18th Annual Winter SWL Fest ..... 9-15  
Contesting .. Ron Bailey, Wayne Heinen 9-11  
DX Tests ..... Les Rayburn 21-14, 27-7  
DX Tests ..... Ken Chatterton ..... 21-15  
DX Tests ..... Peter A. Horton ..... 24-46  
DXAS - 20 years ..... Fred Vobbe ..... 30-30  
Radio Plus+ Facilities Damage ..... Gerry Thomas ..... 9-13



# Professional Sports Networks

**Barry S. Finkel** bsfinkel@ANL.gov  
10314 S. Oakley  
Chicago, IL 60643-2409  
*Network listings for team sports stations*

Here are the National Football League (NFL) network lists for the 2005 season. I have not yet located the list for the Tampa Bay Buccaneers. Note that there are eight teams that have a "Do not reproduce" statement on the web page, so I cannot include those lists here. But I do include the URL, so each of you DXers can download the lists yourselves, assuming that you have access to the Internet. Some of the information herein updates and/or corrects the flagship and announcer information contained in my last column.

**Arizona Cardinals 2005** Dave Pasch, John Mistler  
<http://www.azcardinals.com/multimedia/broadcasters.html> (09/15/2005)  
DO NOT REPRODUCE

**Atlanta Falcons 2005** Wes Durham, Chuck Smith, Dave Archer  
<http://www.atlantafalcons.com/multimedia/radioAff.jsp> (09/01/2005)

540	WDAK-GA	1290	WTKS-GA	1450	WFFX-MS	97.7	WKCX-GA
720	WVCC-GA	1350	WFNS-GA	1590	WTGA-GA	98.1	WMGP-GA
790	WSFN-GA	1370	WLOP-GA		WXR-MS	100.1	WNSY-GA
940	WMAC-GA	1390	WHMA-AL			101.1	WTGA-GA
960	WRFC-GA	1420	WACT-AL	92.1	WPEH-GA	104.3	WKHC-GA
970	WVOP-GA		WPEH-GA	92.9	WZGC-GA *	105.3	WBRW-VA
1240	WGGA-GA	1450	WGPC-GA	96.5	WDOD-TN	106.9	WBWR-VA
	WVNS-GA		WMVG-GA	97.3			

**Baltimore Ravens 2005** Tom Matte, Scott Garceau  
<http://www.baltimoreravens.com/gameday/tvRadioCoverage.jsp?sessionId=JNJAFKGNINJ> (09/01/2005)  
DO NOT REPRODUCE

**Buffalo Bills 2005** John Murphy, Alex Van Pelt  
<http://www.buffalobillsradio.com/radioaffiliates.html> (09/01/2005)

610	CKTB-ON	1260	WRIE-PA	1410	WELM-NY	95.7	WPIG-NY
920	WKRT-NY	1290	WNBF-NY	1420	WACK-NY	96.5	WBKX-NY
1160	WPIE-NY	1300	WTMM-NY	1480	WADR-NY		WCMF-NY
1230	WLFH-NY	1330	WSPQ-NY	1550	WUTQ-NY	96.9	WGRF-NY *
1240	WGVA-NY	1350	WRNY-NY	1590	WAUB-NY	100.1	WBRR-PA
	WJTN-NY	1380	WABH-NY			101.9	WZKZ-NY
1260	WNSS-NY	1410	WDOE-NY	93.3	WWSE-NY	103.3	WEDG-NY *

**Carolina Panthers 2005** Mick Mixon, Gene Robinson, Jim Szoke  
<http://www.panthers.com/multimedia/network.jsp> (09/01/2005)  
DO NOT REPRODUCE

**Chicago Bears 2005** Jeff Joniak, Tom Thayer  
<http://www.chicagobears.com/multimedia/radio.jsp> (09/02/2005)

780	WBBM-IL *	1230	WHCO-IL	1440	WROK-IL	97.7	WLQI-IN
810	WDDD-IL	1280	WBIG-IL	1450	WFMB-IL	101.7	WIVR-IL
960	WSBT-IN	1290	WWFS-IL	1470	WKLZ-MI	102.3	WRHL-IL
1060	WRHL-IL	1340	WSOY-IL	1590	WAIK-IL	102.7	WZZT-IL
1150	KCPS-IA	1360	WLBK-IL			104.7	WLMD-IL
	KWKY-IA	1390	KCLN-IA	93.7	WTRX-IL	105.1	WGEM-IL
1170	KJOC-IA	1420	WIMS-IN	95.1	WVLI-IL	106.3	WGCY-IL

**What? You missed another short-notice DX test because you forgot to register for e-DXN? Proceed directly to [www.e-dxn.com](http://www.e-dxn.com) and follow the indicated links to join up. It's free until January 1!**

**Cincinnati Bengals 2005** Brad Johansen, Dave Lapham  
<http://www.bengals.com/ontheair/> (09/02/2005)

600	WKYH-KY	910	WKEQ-KY	1250	WKSI-OH	1510	WLGN-OH
610	WTVN-OH	970	WATH-OH n	1360	WCKY-OH *	1590	WSRW-OH
630	WLAP-KY n	990	WTIG-OH	1390	WMPO-OH		
700	WLW -OH *	1010	WIOI-OH	1400	WFTG-OH	92.5	WOFX-OH *
790	WXXA-KY	1150	WIMA-OH	1490	WBEX-OH	96.7	WCSM-OH
800	WVHU-WV	1230	WIRO-OH		WMOA-OH	104.7	WTUE-OH

**Cleveland Browns 2005** —Jim Donovan, Doug Dieken, Mike Snyder, Casey Coleman  
<http://www.clevelandbrowns.com/game/affiliates.php> (09/02/2005)

630	WLAP-KY n	1300	WMVO-OH	1480	WLEA-NY	99.3	WNXT-OH
	WJAW-OH l	1340	WNCO-OH		WHBC-OH	100.7	WMMS-OH *
790	WHTH-OH	1350	WCHI-OH	1490	WMRN-OH	100.9	WMJK-OH
930	WEOL-OH	1370	WWCB-PA	1530	WEYZ-PA		WJAW-WV
970	WATH-OH n	1400	WMAN-OH	1590	WAKR-OH	104.5	WQKT-OH
	WFUN-OH		WJET-PA			104.7	WIOT-OH
980	WONE-OH	1430	WFOB-OH	92.7	WQEL-OH	105.7	WFJX-OH
1040	WYSL-NY	1450	WJER-OH	94.3	WKKI-OH	106.3	WCDK-OH
1100	WTAM-OH *		WLEC-OH	98.1	WDFM-OH		WQTL-OH
1240	WHIZ-OH	1460	WBKC-OH	99.3	WNCD-OH	107.5	WBUK-OH
1260	WNXT-OH						

**Dallas Cowboys 2005** —Brad Sham, Babe Laufenberg  
<http://www.dallascowboysradio.net/Affiliates.shtml> (09/02/2005)

550	KTSA-TX	1150	KZNE-TX p	1450	KNET-TX	95.3	KNEL-TX
560	KLVI-TX	1230	KERV-TX	1490	KBST-TX	95.5	KITX-OK
600	KROD-TX		KSST-TX		WLRT-VA	95.9	KBST-TX
	KTBB-TX	1240	KASO-LA	1510	KSTV-TX	97.1	KVRP-TX
690	KPET-TX		KXOX-TX	1530	KZNX-TX	97.7	KATX-TX
710	KGNC-TX	1290	KWFS-TX	1550	KCOM-TX	98.3	KPTX-TX
	KURV-TX	1300	KSYB-LA	1660	KRZI-TX	98.7	KLUV-TX *
740	KCMC-TX	1340	KWKC-TX			99.1	KHKX-TX
770	KKOB-NM	1380	KBWD-TX	88.1	KHOY-TX	102.1	KTRA-NM
860	KPAN-TX	1400	KVOU-TX	92.1	KHOS-TX	102.3	KWFS-TX
910	KNAF-TX p		KVRP-TX	92.5	KBEY-TX	103.9	KMHT-TX
930	WKY -OK	1430	KEES-TX	92.7	KASR-AR	104.3	KGAS-TX p
940	KTON-TX	1440	KEYS-TX	93.1	KSTV-TX	104.9	KRIG-OK
950	KJTV-TX	1450	KCTI-TX	94.3	KYXX-TX	106.3	KPAN-TX
960	KGKL-TX p		KMBL-TX	94.9	KBIM-NM	107.7	KTBB-TX
	KIMP-TX						

**Denver Broncos (EE) (Northern Sports Network) 2005** Dave Logan, Dave Diaz  
<http://www.denverbroncos.com/page.php?id=1637> (09/06/2005)

550	KRAI-CO	1240	KASL-WY	1380	KOTA-SD		
	KFYR-ND k		KGAB-WY	1400	KWUF-CO	92.5	KCRT-CO
580	KUBC-CO		KRAL-WY		KAYS-KS		KLZY-WY
600	KCOL-CO		KTHE-WY		KCOW-NE	93.5	KALQ-CO
610	KCSR-NE	1260	KPOW-WY		KSHP-NV j	94.5	KYBD-KS
730	KLOE-KS	1270	KSCB-KS		KBJM-SD	96.1	KSTR-CO
790	KGHL-MT		KIML-WY		KODI-WY	96.5	KDZN-MT
850	KOA -CO *	1290	KOWB-WY	1410	KOOQ-NE	96.9	KDAG-NM
930	KKHI-CO	1300	KVOR-CO		KWYO-WY	98.9	KKPR-NE
950	KMER-WY	1310	KFAK-CO	1450	KMMS-MT	99.1	KMTS-CO
960	KNEB-NE	1330	KOVE-WY		KBFS-SD	100.1	KMMR-MT
990	KSVF-NM	1340	KVRH-CO		KBBS-WY	100.5	KRSJ-CO
1010	KSIR-CO		KPOK-ND		KVOW-WY	102.3	KSPK-CO
1030	KTWO-WY		KWOR-WY	1470	KKTY-WY	103.1	KYDT-WY
1180	KOFI-MT		KYCN-WY	1490	KPKE-CO	104.7	KSKE-CO
1230	KBCR-CO	1350	KGHF-CO		KGOS-WY	106.1	KNFO-CO
	KXLO-MT		KABQ-NM		KUGR-WY		KOAL-MT



**Detroit Lions 2005** Dan Miller, Jim Brandstatter, Tony Ortiz

[http://www.detroitlions.com/section\\_display.cfm?section\\_id=25&top=1&level=3](http://www.detroitlions.com/section_display.cfm?section_id=25&top=1&level=3) (09/03/2005)

DO NOT REPRODUCE

**Green Bay Packers 2005** -Wayne Larrivee, Larry McCarren

[http://www.packers.com/multimedia/tv\\_and\\_radio/station\\_listing](http://www.packers.com/multimedia/tv_and_radio/station_listing) (09/03/2005)

550	KFYR-ND k	1240	WOMT-WI	92.1	WMEQ-WI	99.3	WOWN-WI
	WSAU-WI	1260	WEKZ-WI	92.3	WJMQ-WI	99.7	WIMI-MI
570	WMAM-WI	1310	WIBA-WI		WRLS-WI	100.7	WBIZ-WI
580	WKTY-WI	1320	WFHR-WI	92.7	WDUX-WI	100.9	WRCO-WI
620	WTMJ-WI *	1330	WHBL-WI	93.3	WBSZ-WI	101.1	WXXX-WI
710	WDSM-WI	1380	WFCL-WI	93.7	WEKZ-WI	101.5	WJNR-MI
940	KPSZ-IA		WTJK-WI	94.3	WQPC-WI		WIBA-WI
	WFAW-WI	1400	WATW-WI	95.1	WLST-WI	102.3	WAUH-WI
950	WHSY-MS		WBIZ-WI	95.9	WMQA-WI		WHTL-WI
960	WTCH-WI	1420	KGIM-SD	96.3	WJMC-WI	104.1	WRLU-WI
1140	KSOO-SD	1430	WBEV-WI	97.1	WGLQ-MI	104.9	WNFM-WI
1150	WHBY-WI	1440	WNFL-WI		WCOW-WI	105.3	WRLO-WI
1220	WMGT-MN	1450	KFIZ-WI	97.7	WGLR-WI	105.7	WXCX-WI
1230	WIKB-MI		WDLB-WI	98.3	WQCM-WI	106.3	WEVR-WI
	WCLO-WI	1550	WEVR-WI	99.1	WIKB-MI	106.5	WKCH-WI
1240	WJMC-WI			99.3	WKEB-WI	107.1	WFON-WI
	WOBT-WI						

**Houston Texans 2005** Marc Vandermeer, Andre Ware

[http://www.houstontexans.com/gameday/gameday\\_links/texans\\_radio\\_network.php](http://www.houstontexans.com/gameday/gameday_links/texans_radio_network.php) (09/03/2005)

610	KILT-TX *	1300	WIBR-LA	1600	KOGT-TX	98.3	KLUM-TX
760	KTKR-TX		KSET-TX		KZNE-TX	99.9	KSHN-TX
910	KNAF-TX p	1310	KEZM-LA			100.1	KUEZ-TX
940	KTFB-TX	1340	KHLB-TX	92.5	KQBB-TX	100.3	KILT-TX *
960	KGKL-TX p	1370	KJCE-TX	93.5	KBHT-TX		KXAL-TX
1150	KZNE-TX p	1400	KTEM-TX	94.1	KAJI-TX	101.3	KNCN-TX
1240	KSOX-TX	1420	KGNB-TX	94.3	KBTS-TX	103.1	KDVE-TX
	KVLF-TX	1440	KPUR-TX	95.3	KFRQ-TX	104.3	KGAS-TX p
1280	KWHI-TX	1450	KIKR-TX	96.9	KMCM-TX		

**Indianapolis Colts (Vectren Radio Network) 2005** -Bob Lamey, Mark Hermann, Ted Marchibroda

[http://www.colts.com/sub.cfm?page=broadcast\\_dynamic&id=92](http://www.colts.com/sub.cfm?page=broadcast_dynamic&id=92) (09/03/2005)

840	WHAS-KY	1450	WAOV-IN	94.3	WREB-IN	102.9	WYGB-IN
860	WGOM-IN	1490	WDAN-IL	94.7	WFBQ-ON *	103.3	WAXL-IN
930	WHON-IN	1580	WDND-IN	94.9	WYNG-IN	103.9	WIMC-IN
1190	WOWO-IN	1590	WKPT-TN	95.7	WSHP-IN	105.5	WWVR-IN
1340	WBIW-IN			95.9	WEFM-IN	105.9	WJOT-IN
	WTRC-IN	92.1	WROI-IN	96.7	WORX-IN	106.5	WWBL-IN
	WXFN-IN	92.7	WJCP-IN	96.9	WKLO-IN	107.7	WMRS-IN

**Jacksonville Jaguars 2005** Jeff Lageman, Brian Sexton

[http://www.jaguars.com/Broadcasting/radio\\_affiliates.asp](http://www.jaguars.com/Broadcasting/radio_affiliates.asp) (09/03/2005)

690	WOKV-FL	1240	WFOY-FL	690	WOKV-FL	105.3	WSTI-FL
850	WCUG-FL	1260	WYD-FL			105.5	WIFO-FL
	WRUF-FL	1380	WELE-FL	94.3	WNFB-FL	106.1	WUTL-FL
1060	WIXC-FL	1420	WFOY-FL	96.9	WKQL-FL *	107.7	WBGA-FL
1080	WHOO-FL	1590	WPSL-FL	103.3	WWSN-FL		

Please preserve these OSLS  
for future display!  
Do not discard these items  
For preservation information  
contact the:  
National Radio Club  
P.O. Box 164  
Mannsville, NY 13661-0164

**If you are interested in helping preserve the history of our hobby through preserving your collections, you should consider ordering a supply of these free 3-inch-square stickers to place on your varies, recordings, etc. Specify the number you need, and order from Ken Chatterton - P. O. Box 164 - Mannsville, NY 13661-0164. Include an SASE. Don't wait until it's too late - order now.**

**Kansas City Chiefs 2005** —Mitch Holthus, Len Dawson, Bill Grigsby, Bob Gretz

<http://www.chiefswarroom.net/kcwarroom/radio.shtml> (09/06/2005)

<http://www.kcchiefsradio.com/affiliatestations.asp> (09/08/2005)

590	KOMJ-NE c	1290	KWLS-KS c	101.1	KFNF-KS c
	KXSP-NE b	1300	KAKC-OK c	92.9	KKID-MO c
620	KMNS-IA c	1360	KBKB-IA qb	95.1	KAMS-MO c
710	KCMO-MO c	1400	KRFU-MO b	95.3	KDKD-MO c
1030	KFAY-AR c	1420	KBTN-MO b	96.7	KBBE-KS b
1230	KLWT-MO b	1510	KNNS-KS b		KGTR-KS c
1240	KLIK-MO b	1540	KNGL-KS b		KCMQ-MO c
1270	KOZQ-MO b	1550	KAPE-MO c	97.9	KFBD-MO c
1280	KDKD-MO b	1600	KNCY-NE c	99.3	KKBZ-IA b

**Miami Dolphins 2005** Jimmy Cefalo, Joe Rose, Nat Moore

<http://www.miamidolphins.com/pressbox/radionetwork/radionetwork.asp> (09/09/2005)

550	WASG-FL	790	WAXY-FL *	1600	WKWF-FL	99.7	WGNX-FL
610	WVTJ-FL	1300	WFFG-FL			102.7	WMXJ-FL
760	WEFL-FL	1370	WOCF-FL	93.5	WBGF-FL	105.9	WOCL-FL
770	WWCN-FL	1450	WSRQ-FL				

**Minnesota Vikings 2005** —Paul Allen, Joe Senser, Greg Coleman

[http://www.vikings.com/vikings\\_radio\\_network\\_gameday.html](http://www.vikings.com/vikings_radio_network_gameday.html) (as of Aug 04, 2005) (09/03/2005)

560	WEBC-MN	1240	KICD-IA	1470	KWSL-IA	100.7	KMLO-SD
600	WMT-IA		KDLR-MN	1490	KOVF-ND	100.9	WCMP-MN
	KEYZ-ND		KDLR-ND	1510	KMSD-SD	101.1	KBHP-MN
650	WNMT-MN	1250	KBRF-MN	1600	KDAK-ND		WHSM-WI
710	KXMR-ND	1260	KROX-MN			101.7	KRCH-MN
790	KFGO-ND	1270	KWEB-MN	92.5	KKRY-MT	101.9	KQKK-MN
870	KPRM-MN	1290	WKLI-WI	93.1	KXLP-MN	102.1	KCAJ-MN
880	WMEQ-WI	1300	KGLO-IA	93.3	KBLB-MN	102.9	KBWS-SD
930	KSDN-SD	1340	KDLM-MN	93.5	KSCR-MN	104.1	KBOT-MN
950	KWAT-SD		KWLM-MN	94.3	KKIN-MN		KSDM-MN
970	KNFX-MN	1360	KMIM-IA	94.5	KPLO-SD	104.9	WLMX-WI
1130	KFAN-MN *	1390	KRFO-MN	94.7	KSKK-MN	105.5	KKCB-MN
1170	KOWZ-MN		KRRZ-ND	95.7	KKOK-MN	105.7	KRAQ-MN
1190	KMFV-MN	1400	KQDJ-ND	96.9	KMFY-MN	106.9	KARP-MN
1220	KDDR-ND	1430	KASI-IA	97.5	KDKK-MN		WMOZ-MN
1230	KTRF-MN	1440	KKXL-ND	98.1	KBEW-MN	107.3	KNUJ-MN
	KWNO-MN	1450	KBUN-MN	98.3	KQYB-MN	107.9	KQQL-MN
	KYSM-MN	1460	KLTC-ND	100.7	KIKV-MN		KWSF-SD

**New England Patriots 2005** Gil Santos, Gino Cappelletti

[http://www.wbcn.com/wbcn\\_com\\_patriots\\_affiliates\\_files/affiliates.htm](http://www.wbcn.com/wbcn_com_patriots_affiliates_files/affiliates.htm) (09/03/2005)

790	WSKO-RI	1420	WBSM-MA	98.5	WEBB-ME	102.1	WSAK-NH
860	WSBS-MA	1450	WSNO-VT	99.7	WSKO-RI	102.3	WXLM-CT
960	WEAV-VT	1480	WSAR-MA	100.1	WWFX-MA	102.9	WBLM-ME
1280	WEIM-MA				WHOU-ME	103.7	WPKQ-NH
1340	WGAW-MA	92.1	WMOO-VT	101.5	WWHQ-NH	104.1	WBCN-MA *
	WSTJ-VT	92.7	WKVT-VT		WEXP-VT	105.3	WSHC-NH
1350	WINY-CT	93.9	WMXR-VT	101.7	WFZX-ME	105.5	WBEC-MA
1370	WFEA-NH	95.1	WXTK-MA		WVRN-NH	106.9	WCCC-CT
	WBTN-VT	95.3	WPVQ-MA	102.1	WAQY-MA	107.7	WTPL-NH
1420	WBEC-MA	96.7	WXZO-VT				

**New Orleans Saints (EE) 2005** Jim Henderson, Hokie Gajan, Kenny Wilkerson**New Orleans Saints (SS) 2005** Marco Garcia, Hector Pineda

<http://www.neworleanssaints.com/custompage.cfm?pageid=45> (09/15/2005)

DO NOT REPRODUCE

**Not sure about renewing?**

Consider these benefits of a membership in the National Radio Club: 720+ pages per year of varied and comprehensive DX and radio information in *DX News*... reduced prices for publications... responsive editors... and the friendliest bunch of DX'ers in the world! Why not send that renewal check to P. O. Box 5711 - Topeka, KS 66605-1427 today!

**New York Giants 2005** —Bob Papa, Dick Lynch, Dave Jennings

<http://www.giants.com/multimedia/broadcastinfo.asp> (09/03/2005)

620	WHEN-NY *	980	WOFX-NY o	1270	WTSN-NH
680	WINR-NY	1160	WYNS-PA	1340	WIRY-NY
800	WLAD-CT	1180	WHAM-NY	1430	WENE-NY
920	WVPO-PA	1230	WEEX-PA o	1490	WKNY-NY
930	WIZR-NY				

**New York Jets (EE) 2005** Bob Wischusen, Marty Lyons, Larry Hardesty

**New York Jets (SS) 2005** Clemson L. Smith Muniz

[http://www.newyorkjets.com/news/index.php?content\\_id=2172&sections\\_id=#2172](http://www.newyorkjets.com/news/index.php?content_id=2172&sections_id=#2172) (09/21/2005)

770	WABC-NY *	1050	WEPN-NY *	1280	WADO-NY S*	1320	WTKZ-PA
980	WOFX-NY o	1230	WEEX-PA o	1290	WVOV-WV	1410	WPOP-CT

**Oakland Raiders 2005** -Greg Papa, Tom Flores

<http://www.raiders.com/multimedia/> (09/21/2005)

DO NOT REPRODUCE

**Philadelphia Eagles 2005** Merrill Reese, Mike Quick

<http://www.philadelphiaeagles.com/multimedia/radioinformation.jsp> (09/03/2005)

830	WEEU-PA	1490	WBCB-PA	94.1	WYSP-PA *	103.7	WMGM-NJ
1150	WDEL-DE			96.1	WCTO-PA	105.7	WQXA-PA
1360	WPPA-PA	93.3	WBZD-PA	97.9	WBSX-PA	107.3	WEGH-PA

**Pittsburgh Steelers 2005** Bill Hillgrove, Tunch Ilken, Craig Wolfley

<http://www.steelers.com/gameday/broadcasts/> (09/21/2005)

590	WMBS-PA	1340	WMON-WV	92.1	WRKW-PA	102.5	WDVE-PA *
630	WJAW-OH I	1410	WSCW-WV	92.5	WQMU-PA	103.1	WANB-PA
680	WISR-PA	1430	WVAM-PA	92.7	WCCR-PA	103.7	WZXR-PA
800	WCHA-PA		WEIR-WV	93.3	WCXR-PA	103.9	WLSW-PA
850	WNTJ-PA	1450	WTBO-MD	94.3	WHUZ-PA	104.1	WPXZ-PA
920	WMMN-WV		WJPA-PA		WRLF-WV	104.3	WKNB-PA
970	WBGD-PA *		WMAJ-PA	95.1	WWGY-PA	104.9	WRKY-PA
990	WNTW-PA		WHNK-WV	98.7	WQWK-PA		WPDZ-WV
1170	WWVA-WV	1460	WMBA-PA	100.9	WAYC-PA	105.5	WCIX-PA
1230	WBVP-PA	1480	WCNS-PA		WJAE-WV	105.7	WUZI-PA
1330	WFIN-OH	1490	WESB-PA		WZST-WV	106.1	WBBG-OH
	WFNN-PA			102.1	WOWQ-PA	107.7	WUUZ-PA
	WJYP-WV						

**Saint Louis Rams (Chevrolet Rams Network) 2005** —Steve Savard, Jack Snow, Malcom Briggs

[http://rams.klou.com/chevrolet\\_rams\\_radio\\_network.html](http://rams.klou.com/chevrolet_rams_radio_network.html) (09/03/2005)

550	KTRS *	1150	KXTA-CA h	1480	WJBM-IL	97.5	WBBA-IL
690	XTRA-BC		KRMS-MO q	1580	KTGR-MO	100.1	WJBD-IL
750	KSEO-OK	1220	KGIR-MO	1590	KDEX-MO		WKAI-IL
800	KREI-MO	1230	KADA-OK			100.5	KKCA-MO
930	WTAD-IL	1360	KBKB-IA q	95.9	KKBL-MO	102.3	KDEX-MO
	KWOC-MO	1400	KGMY-MO	96.6	KUPH-MO	103.3	KLOU-MO *
940	WMIX-IL		KSIM-MO	96.7	WCVS-IL	104.5	KSLQ *
950	KWOS-MO		KSHP-NV js	97.1	KPOW-MO	105.3	KZNN-MO
990	WCAZ-IL		KREF-OK				

**San Diego Chargers (EE) 2005** Josh Lewin, Hank Bauer, Katy Temple

**San Diego Chargers (SS) 2005** Jorge Villanueva, Efrén Dominguez

e-mail from webmaster@CHARGERS.NFL.COM (09/13/2005)

1010	KXPS-CA	1420	XEXX-CA	103.3	KTMQ-CA
1230	KXO-CA	1540	KMPC-CA	99.7	KKAL-CA
				105.3	KIOZ-CA *

**San Francisco 49ers 2005** Joe Starkey, Gary Plummer, John Shrader

<http://www.sf49ers.com/schedule/radio.asp> (09/03/2005)

DO NOT REPRODUCE

**Expiring? Time to renew? Not sure when? Need to call or e-mail someone or join e-DXN or DXAS? Check the back page - it's all right there!**

**Seattle Seahawks 2005** Steve Raible, Warren Moon

<http://www.seahawks.com/subcontent.aspx?SecID=90> (09/03/2005)

DO NOT REPRODUCE

**Tampa Bay Buccaneers 2005** Gene Deckerhoff, Scot Brantley, Ronnie Lane

NOT YET LOCATED

**Tennessee Titans 2005** Mike Keith, Frank Wycheck, Larry Stone

<http://www.titansradio.com/stationsal.html> (09/03/2005)

<http://www.titansradio.com/stationsarms.html> (09/03/2005)

<http://www.titansradio.com/stationsky.html> (09/03/2005)

<http://www.titansradio.com/stationstn.html> (09/03/2005)

570	WKYX-KY	1150	WGOW-TN	1410	WCMT-TN	98.3	WKSJ-TN
640	WGOC-TN	1220	WAXO-TN	1440	WHDM-TN	98.7	WOKI-TN
690	WJOX-AL		WFWL-TN	1450	WTCO-KY	98.9	WANT-TN
740	WRWB-TN	1240	KWAK-AR		WTRO-TN	99.3	WPBX-TN
790	WQSV-TN		WPBQ-MS	1490	WOMI-KY	100.7	WDMS-MS
860	WSON-KY	1260	WGVN-MS	1560	WPAD-KY	101.7	WCMT-TN
870	WMTL-KY		WTKN-TN	1580	WPKY-KY	102.3	WGOW-TN
900	WCOR-TN	1270	WQKR-TN			103.3	WKDF-TN *
910	WEPG-TN	1280	WDNT-TN	92.3	WYNU-TN	103.7	WPTQ-KY
930	WJBY-AL		WMCP-TN	92.7	WAFN-AL	103.9	WTRZ-TN
	WSEV-TN	1320	WNGO-KY		WBZH-TN	104.7	WMUF-TN
950	WAKM-TN		WMSR-TN	93.5	WKBQ-TN	104.9	WKHG-KY
970	WXQK-TN	1340	WFEB-AL		WKWX-TN		WQLA-TN
1000	WMUF-TN		WFMH-AL	93.7	WBXE-TN		WYVY-TN
1050	WWIC-AL		WNBS-KY	95.1	WRIT-AL	105.5	KWAK-AR
1060	WQMV-TN		WBAC-TN	95.7	WCCK-KY		WSEV-TN
1070	WEKT-KY		WCDT-TN	96.7	WNKK-TN		WYTM-TN
1090	WTKN-TN	1370	WDXE-TN	97.3	WKJQ-TN	106.5	WKDZ-KY
1110	WKRA-MS	1400	WIEL-KY	97.5	WZZP-TN	107.3	WQLT-AL
1130	WRKY-KY		WZNG-TN	98.1	WXMN-TN	97.7	WWKY-KY
1150	WCRK-TN						

**Washington Redskins 2005** Sam Huff, Larry Michael, Sonny Jurgensen

<http://www.redskins.com/news/bcinfo.jsp> (09/09/2005)

550	WSVA-VA	910	WRNL-VA	1320	WGET-PA	95.9	WOSC-MD
600	WSJS-NC	930	WFMD-MD	1420	WXGM-VA	98.5	WSMD-MD
680	WPTF-NC	960	WFIR-VA	1430	WNAV-MD	99.1	WXGM-VA
730	WOHS-NC m	1050	WBRG-VA	1490	WARX-MD	99.3	WFQX-VA
740	WRNR-WV	1200	WAGE-VA		WSTP-NC	101.5	WBQB-VA
790	WNIS-VA	1260	WCHV-VA			105.5	WRAR-VA
810	WPIN-VA	1270	WCBC-MD	93.1	WSVO-VA	106.7	WJFK-DC d*
850	WTAR-VA						

— = announcers from the 2003 or a previous season

- = announcers from last season (2004)

\* = flagship station

a = 800 WLW-OH will also carry the Bengals' games after the Cincinnati Reds baseball season.

b = This station is on the kcciefradio site but not on the chiefsradio site.

c = This station is on the chiefsradio site but not on the kcciefradio site.

d = The Redskins' list has only one flagship - 106.7 WJFK-MD; Ken Onyschuk listed three, and 106.7 was not one.

e = The Ravens' list has "WDOV Claymont DE 1290/1410". 1290 is WWTX in Wilmington; 1410 is in Dover.

f = The Raiders' list has "KCBL/KCVL 1340 Fresno & Visalia". KCVL is at 1400.

g = The Raiders' list has "KFMB 92.7/96.7 Mendocino". I think that 96.7 is KLLK.

h = Oakland Raiders and Saint Louis Cardinals

i = Oakland Raiders and San Francisco 49ers

j = Denver Broncos and Saint Louis Cardinals

k = Denver Broncos and Green Bay Packers



l = Cleveland Browns and Pittsburgh Steelers  
 m = Carolina Panthers and Washington Redskins  
 n = Cincinnati Bengals and Cleveland Browns  
 o = New York Giants and New York Jets  
 p = Houston Texans and Dallas Cowboys

q = Kansas City Chiefs and Saint Louis Cardinals  
 s = selected games only  
 S = Spanish language broadcast

## KPS Callsign Granted to Marine Radio Historical Society

From A. R. Newsline; via Fred Vobbe

The FCC has granted a license for a new, common carrier class 1A CW coast station to the Maritime Radio Historical Society, operators of KPH stroke K6KPH at Point Reyes, California.. The Maritime Radio Historical Society was formed in 1999 with the aim of restoring ex-RCA coast station KPH to operational status. A task now completed.

KSM was to start operation running 5 kilowatt CW transmitters on 426 and 500 kilohertz and 6.474 and 12, 993 MHz. Operators say they will eventu-

ally file requests for the assignment of one CW frequency in each of the marine bands from 2 to 22 MHz.

Also in the works are looking for authorization to transmit Frequency Shift Keying in the marine bands. The intent is to make RTTY and SITOR press and weather available to the maritime community via these modes.

No sign-on date for any operation has yet been set. More information is on-line at [www.radiomarine.org](http://www.radiomarine.org).

(Continued from page one)

Directors did not want the responsibility for the [NRC-AM] list. In reviewing the National Radio Club's role in the list, it was really non-existent. Its founder had signed off of it months before, and only two Board members were on the list. Since the list was open to the public, the Board had never considered it to be part of the Club. Many on the list, both members and non-members, were outright hostile to both the Board of Directors and Publishers of the National Radio Club because we would not engage in discussions on the unofficial list.

Back in the beginning of July when I became the Chairman of the Board, I posted requests on [NRC-AM] that those with beefs should contact me directly. I have had a total of eight people contact me by email or phone with concerns dealing with NRC Club matters.

Since e-DXN was being offered almost simultaneously with notification that our current moderator was no longer interested in continuing, the Board and Publishers, including the list's founder, unanimously decided to substitute our new interactive e-DXN Forums for the [NRC-AM] list. We included the Publishers in this decision-making and the subsequent announcements because they are an integral part of the Club's management.

As e-DXN evolves, both the QSO Room and the QRM Room will be interactive forums that will be

able to be accessed by e-mail or online. Our thanks to those who passed on some of the suggestions that led to us seeing the advantage and looking at the solution.

e-DXN is an official NRC project; the Board will have a presence there and will be able to address your questions and concerns through it. Although I prefer "one on one" for the most part, there are times when the subject matter may be such that others may be encouraged to express their opinion on the same subject in an open forum of NRC Members through e-DXN

Everyone involved with the National Radio Club's efforts are unpaid volunteers. We all have other things in our lives and we structure our time to allow us to do the tasks that we volunteered to do. I would like to ask that everyone have respect for that fact. The last thing we would wish to happen is having our volunteers leaving because of the demands of others. If you really feel strongly that things should be more to your liking, we have plenty of projects and positions that could use your input.

We welcome those with new ideas that can help the National Radio Club to continue to move forward. Just keep in mind that most of us already on staff have full plates, and new ideas and concepts not only need champions but volunteers to make them a reality. -Wayne Heinen

## NRC/DXAS, Kulpville 2005

September 1-4, 2005

Story and photos by John R. Malicky

Welcome brothers and sisters, our brethren, to this city, for the love, of radio! In our 72nd year and well into the 21st century, with all the terms like HD, IBOC, CD, DVD, and www, you couldn't spell this convention with more emphasis, "f-r-i-e-n-d-s". So WELCOME all to NRC Kulpville 2005!

Founded in 1773, Kulpville is named for "an early settler", Jacob Kulp. The town is located about 20 miles north of Philadelphia. Kulpville is also the site of the annual meeting in March of the NASWA Convention (North American ShortWave Association) which was previously sponsored by ANARC. For the third time in 20 years, Dave Schmidt, longtime member and current Musings Editor, was the host of this convention and 2 others, NRC '86 and NRC '97, both based in New Castle, DE. Now residing in Scranton, PA, Dave moved this year's convention to Kulpville because the Scranton area had a major booking two years in advance. Anyway, "all's well that ends well!" Once again, including the past several years, our wonderful friends and members, John and Linda Bowker of Sun City Center, FL provided assistance. This included registrations, tabulations of the NRC Auction, writing the convention program, and working with Dave to schedule the order of events.

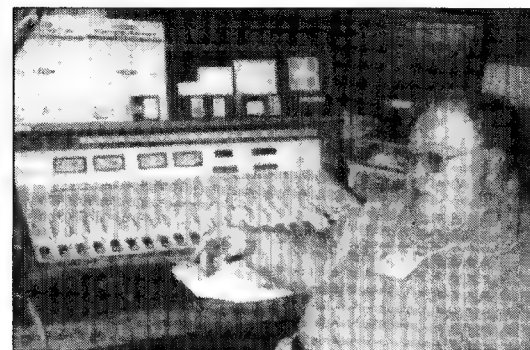
If NRC Batavia '04 was a convention of visits and action, NRC Kulpville '05 was a convention of comfort and reaction, and like Batavia, we learned something, too! In a twist of words, there was much ado about something and an enjoyable time for the 47 members, wives, guests, and friends.

Our convention began Friday morning, September 5, 2005 officially at 9 AM with opening registrations at the best inn, west, east, north, and south, at the Best Western "The Inn at Towamencin", 1750 Sumnertown Pike, part of which this road is PA route 63 in Kulpville. The town is also at exit 31 on the Northeast Extension, I-476, of the PA Turnpike providing easy access for anyone to come here by car.

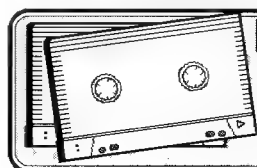
The 'buzz' around here all weekend was that the inn was a 'beehive' of activity with a dance club, Little Leaguers, a wedding reception, and a 'radiothon!' Thus, in Room 155, the NRC Hospitality Suite, we danced to the beat of a different sort, DX, radio, the NRC, and 'vowed' to keep it that way!

By Friday evening, there were two presentations. At 7 PM, John Bowker presented an entertaining illustration of 'Bowker's Theatre of the Mind' and the sounds of "AM Radio in Tampa Bay." For most of us who haven't heard these stations before, they included sportsradio WDAE-620, talk on WFLA-970, newstalk WHNZ-1250, and Disney's WWMI-1380. Just some from an 'even split' market, 23 AM and FM stations in Tampa-St. Petersburg, "Bucking the trend, like lightning in a bottle, and a ray of sunshine," (also referring to Tampa's sports teams) this show 'kicked off, a slapping, easy pitched' weekend! Next, a wealth of information and last year's co-host, Rochester, NY's Scott Fybus presented an update of New Orleans and surrounding Mississippi radio following the devastation of Hurricane Katrina this past Monday, August 29, 2005. An unlisted program event, this was very newsworthy as Scott was unable, but still trying to keep in contact with the situation and how the storm affected WWL and other stations.

"It's a beautiful morning" at 9 AM on our second day, Saturday, September 3, 2005 when as many as 25 members began a voyage 'no DXer en mass had done before' with a 20-mile trek south into Philadelphia to the home of "Philadelphia's Christian Radio" WFIL-560 and "Newstalk 990-WNTP." Owned and operated for over ten years by Salem Communications, both stations, at 117 Ridge Pike in Lafayette, Hill, PA, have been here over ten years with the old 990-WIBG; having been here over another 50 years. This excellent tour of the studios and transmitters was conducted by Chief Engineer and an NRC member who rejoined one year ago, René Tetro (TEH-tro). René (Re-NAY) also conducted the DX tests for WNTP on December 11, 2004 and WFIL on January 8, 2005. An extremely knowledgeable and jovial fellow, René has been employed here twice. The first time, about 5 years, was from 1980 to 1985 when he verified my report for WZZD-990 on February 21, 1983. René then returned here about 18 months ago at which time 990 changed from Christian WZZD to WNTP in April, 2004. René has also worked at several other stations in the north



René Tetro, CE of WFIL/WNTP, takes a rare break during board duties to talk to visiting DX'ers.



### DXAS back issues on audio

cassettes: \$3.00 each; specify month and year.  
 Order from NRC Publications - Box 164 - Mannsville,  
 NY 13661. NY residents, please add sales tax.

east U.S. and at WNDE-1260 Indianapolis.

Our tour began outside to examine the 6-tower array of which both stations share the last or closest tower. Up to 1986, there were 5 towers for 990, but the station had to remove the fifth one to comply with the North American treaty that no U.S. station's signal protecting a Canadian, in this case CBW-990, enter into Canada. That rule has since been modified. Meanwhile, around 1998, WFIL had to move their tower site here off Franklin Way in Philadelphia because the city took the land as part of "eminent domain." However and as of today, the building and tower bases are still there and the land still dormant.

Of the 6 towers, 4 for 990 and 3 for 560, the last two in the back of the array belonging to 560 are the shortest and "top loaded." The short towers, at 250 feet each, meet the criteria for a local zoning law regarding tower height. The "top loading" helps the tower transmit a signal equivalent to a 500-foot tower or twice its size.

Concerning the powers of each station, WFIL's towers must be fed 7.1 kw daytime and 8.3 kw nighttime to satisfy 5 kw because they aren't tall enough. WNTF runs 50 kw days and 10 kw nights and is applying to go 15-20 kw at night to reach the greater population growth in West Chester and Bucks Counties. Also, both stations run directional and slightly different patterns day and night with the night patterns more tightened. At night, WFIL's pattern is more 'egg-shaped', beamed eastward and towards New Jersey. WNTF's night pattern is beamed east and southeast to protect CBW and Knoxville's WNML.

Inside, each studio was switched a short time ago, but the previous calls for each station remain on some of the remote lights. Some of the equipment René prefers is the CoolEdit and Profit Systems and an Enco automation system to alert him or the Operations Manager at their homes if something is wrong at the station. Board operators run both stations from 5:30 AM-7 PM, and then each becomes automated. "NewsTalk Philadelphia" or WNTF's line-up talk shows are syndicated, but one of René's favourite shows is Laura Ingraham from 9-12 noon. Her face is even on the remote van! At WFIL, 2 shows are produced locally, while the rest come from the parent company, Salem Communications, which now owns 107 stations. WNTF is also the flagship for Villanova football and basketball, airs some Penn State football games when there isn't a conflict, and also carries some Notre Dame games. Some games are also aired on WFIL. Also, WNTF will start airing a local two-hour college football show starting this weekend. However, a few listeners attempt a 'Savage takeover' when their hero, Michael, is preempted!

Always there and reliable is WNTF's Harris DX50 transmitter at four years of age and a Nautel transmitter for WFIL. Not there and having been sold some years ago are each station's FMs at 94.1 (now WYSP) and 102.1 (WIOQ). Also, some years ago was the famous call letters for Philadelphia's Top 40 station, WIBG, or "Why I Believe in God." Presently the 'WIBG' calls belong to the 1020 khz station in Ocean City, NJ. To borrow a line from a famous Italian movie, WIBG has 'an offer they are refusing' to sell the calls back to 990.

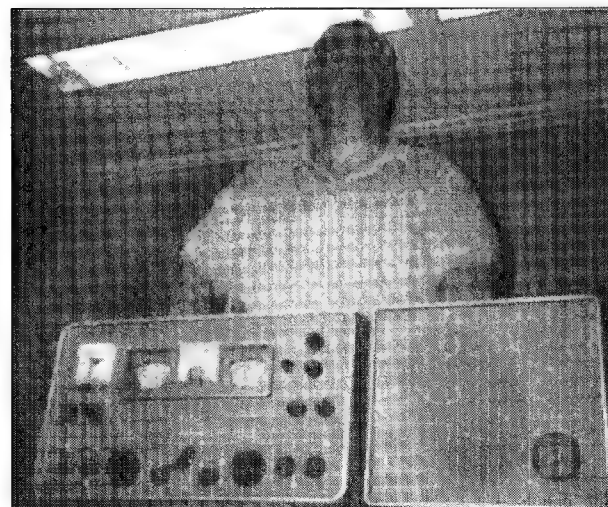
Finally, each station signed on the air over 80 years ago, 1922 for 560 k6 and 1924 for the 970 kc station which moved to 990. Signing off is our tour as we say thank you René!

It's 1900 hours or more appropriately 7 PM as the informative NRC Business Meeting is conducted by a relatively new NRC Board Member and one-year Ombudsman for the club, John Bowker, and the efficient, 'teaching by example', and NRC DX News Editor Paul Swearingen. Before we began John recognized three members attending tonight. They were Lee Freshwater of Ocala, FL, who for my purposes signed my verie as CE for WCTW-1550 New Castle, IN in 1983, a longtime member, Joe Kureth of Uniontown, MD who, at one time worked at WEEB-990 Southern Pines, NC, and a local member who just rejoined tonight after almost a 60-year absence, Joe Pelletier; 'welcome back Joe!' John's first order of business was to recognize, along with NRC videographer Ernie Wesolowski, Ken Chatterton, in Ken's absence, as NRC Member of the year for 2005! The NRC saluted Ken for his many years as head of the NRC Publications Center and as Board Chairman, though having yielded the



NRC conventions are always a time of renewing old and making new friendships. Dave Schmidt, center, introduces Joe Kureth, left, to Jerry Bond, right, at the convention.

'chair' to Wayne Heinen. Congratulations, Ken! Ken may not be in 'Frank Sinatra's position' as Chairman, but he still remains on the Board. Also, the NRC is financially strong with over \$10,000 in the NRC Treasury at 'Ft. KNOX' and membership around 580 for the NRC and 125-150 for DXAS. Also here, the 2005-06 NRC AM Radio Log Book was selling for \$19 with just 3 copies left. Then the announce-



"El Kabong", otherwise known as Clarke Ingram, tries to get a few more bucks than the minimum \$100 for an HQ-180 and matching speaker donated by Ben Dangerfield for the annual NRC auction. The lucky bidder was Harry Schools.

ment from John that the NRC will have the 2006 Convention in Akron, OH with the Best Western Hotel in Akron as our location, reservations already being accepted (this leads me to believe that this will be the Bermuda Triangle of conventions, with Batavia, Kulpville and Akron '06)! Then Paul took center stage to finally reveal, after 3 years to set everything up, the NRC will also have "e-DXN" over the internet for anyone with 'world wide web' capabilities. Thus, this new service of some "forums" instead of 'columns' can be viewed with or without the printed copy. Also, for the next 4 months, members can log on for free to view it, then at the end of December, 2005, they will be charged an additional \$5 along with receiving DXN in print, or \$15 yearly without the copy. This avenue will also be set up

to offer any overseas member and/or DXer a chance to sign up with the savings of \$37. It was noted some columns may not appear because the software does not support tabs or multiple spaces. However, DXN can now be viewed via the internet saving members time, money, accumulating DX News. Moving forward into the 21st century, your NRC!

Three other interesting topics were mentioned just after the business meeting. First, Scott Fybush announced that DDXD-West Editor Bill Dvorak of 'Badger Country', Madison, Wisconsin, along with his wife (Nina), hosted their one day GTG August 20 at which an astounding 41 members and guests attended this function! Second, in addition to supporting "e-DXN" though possibly waiving the \$5 fee, Scott recognized longtime NRC member and 'Who Me, I'm Hosting Akron?!' George Greene of Akron as having reached a milestone, or found on his last mile the stone and sign, which completed his journey, 'the holy grail of counties,' of visiting every single county in the lower 48 U.S. states in early August when George entered Koochiching County in northern Minnesota near International Falls! 'Maybe a Guinness record!' For his achievement, George was 'not' presented with a 'mounted roadkill' but instead, "a road sign!" Congrats George! Third, former NRC Board Member and AM Switch Editor and longtime member, Jerry Starr played a video of Sharon, PA's WPIC-790 single self-supporting tower, at nearly 600 feet, trying to be taken down in late April or early May, 2005 by a local construction company. Known as "Ole Shaky", the 'Fall of Sharon' was completed only after some pain-staking attempts to brake all 5 porcelain tower bases of one of the legs. They finally did crack the fifth one, toppling the tower the way it was supposed to fall and not on grandma's house! A temporary longwire antenna is now used until a new 380-foot guyed tower is installed in November. KRSH!

Of course at 9 PM, it is always the highlight of any convention and this year was no different as the NRC Auction, along with Paul Swearingen, had a new host. "You know him, ya love 'em, oh boy," why it's none other as 'the king of swing,' 'the Pittsburgh kid,' and "El Kabong," Clarke Ingram! For the next 90 minutes, the laughs and snickers, even some of the candy, filled the room to relieve my mind off the 42-21 pasting by Notre Dame over my Pitt football team and watch Clarke peddle the usual assortment of stickers, cups, shirts, and two items of interest. The items were a Mark Connelly early phasing unit won by Bob Antoniuk for \$27 and Ben Dangerfield's HQ-180 donation won for the starting bid of \$100 by a renewed member, Harry Schools of Philadelphia. As stated, Harry is also a member of 11 other clubs. Congrats and thanks for making your membership 'a dozen' Harry! Also, a giving person and not to conflict with the bidding, Clarke donated \$20 of his own money to the club.



Final tally at \$241.00. Thus, a 'tally ho' and goodnight following a free pizza party given by Tony Dee and Dave Marthouse!

'Early to bed, early to rise' on Sunday, September 4, 2005 at 9 AM, three events on the program took place. First, 'get your sweettooth ready' for John Bowker's Candy Quiz as he and Linda "had more candy than you had answers." Next would have been a bandscan for 930 khz, but due to timing restraints, this scan had to be 'on the saddle and ridin' off' to DXAS Editor Fred Vobbe via 'pony express' for a deadline as Fred was not able to attend. Instead, we were given a 4-page listing of 940 khz calls, indexed and formatted to identify any given conditions. Also were call changes like that of Macon, GA who has had WMAZ, WMWR, and now WMAC. Third was the NRC DX Quiz written this year by another longtime member Frank Merrill. It was the club's thinking that 'if we let Frank write the quiz, then he cannot win it!' A cleverly written document provoking some 'independent thinking' with some interesting questions in this 19-part test, nonetheless elicited remarks like, "I'll get you next year, Frank," due to the test's difficulty. However, for the clever writing, an example was from "Section 4 Citizen Kane," with each correct answer worth one point, thus, "What is the frequency of KANB? (answer-1240 khz), and the city of license for KANE? (answer-New Iberia, LA). And our winner for 2005, who also received 'a year's free supply of gas (not the liquid kind either)' and a year's free membership in either club, Scott Fybush who won with 55 points or a 'double nickel!' Congrats Scott!

At 1 PM, a thoroughly entertaining 'tale of tales' was presented by the co-owners of the NRC's favorite station, besides WNRC, "30 miles away from any nearest city," in Brookneal, VA, WODI-1230! Our story was related by GM Dave Marthouse, a DXAS member since 1998. A graduate of Seton Hall University in NJ, Dave has been involved in radio for over 31 years, beginning in college radio in 1974 and graduating with a degree in Journalism and Broadcast Communications. Later, Dave worked at WSUS-102.3 and WCTC-1450, both in NJ, while crossing paths with friend and current business partner of WODI, Tony Dee, when both were and still are amateur operators. Tony's background is that of an engineer, having worked for 15 years in microwave electronics at Stevenson Electronics and a stint at WCTC, also. Their story about WODI started in 1995 when they found an ad for the station's sale in

Radio World. Like anyone's dream in radio to own their station, Tony and Dave completed the sale of the station from the previous owner, Graham Jones, on September 5, 1996, which coincidentally for some of us was right after NRC Knoxville '96. Thus the 'parade and celebration' began only to find out very soon that Hurricane Fran hit Virginia, specifically WODI, 'right at the mouth' as a river overran its banks and began flooding WODI! However, in a sense this might happen and his kindness, Mr. Jones moved any and all valuable equipment in the station to his house to survive the destruction and water damage!

Thus, WODI was forced off the air, but their effort and 'a little bit of help from my friends,' WODI was able to return to the air February 1, 1997 at 100 watts, only 8 days before the FCC would have 'pulled the plug.' Not without effort as much of the equipment at the tower site, like the tower base, insulators, and 'APUs' had to be scrubbed and cleaned. Also, a mobile trailer was acquired in NJ and moved to WODI with the thought that this would ever happen again this trailer would serve as an emergency storage area, or 'Mr. Jones' locker.' Eventually WODI would regain full 1000-watt power status and rise as 'a friend in the community.' A 'labor of love' then and now is WODI which serves the small 2,000-plus town of Brookneal which is located about 30 miles south of Lynchburg, VA. It is Dave and Tony's mission for WODI to be as close to and be a 'servant' of Brookneal. Also, it is the



Linda and John Bowker, next year's Akron 2006 convention hosts, take a breather during the Sunday-night banquet. The Bowkers have been on hand to take care of financial, record-keeping, and other necessary tasks at number of past conventions.

assistance from CE Harry Kane, Larry Steele aka Larry Stolar, and Bob Anthony aka Bob Antoniuk, all friends, to keep WODI 'afloat!' A little 'flavor' or comical entertainment was related like the stories of "Vito & The Plungers," "WODI-1230 Brooklyn or Brookneal!", and the "WODI Cake." The "Kool Oldies and Hot Talk" has been replaced by Black Gospel and religious teaching mostly run by a "homebrew" automation system. Always animated and 'lively,' Dave mentioned of running a short 60 second, in code, DX test for the club and DXers to say 'thank you,' but it is we who say 'thank yunz' to Dave, Tony, Larry, Bob, and even Mr. Jones for a wonderful story! Also in the 'mix' were two videos shown, the first on a demonstration of the FCC's conducting a "EAS records procedure" and many violations filmed at a TV station in Denver. The second video was a 1977 tape of how a "private smalltown station operates," in this case, WODI, 'a friend to all and to all a good day!'

Later at 3 PM, Ben Dangerfield of Wallingford, PA and a twenty-year member presented an interesting talk and history on Philadelphia radio, plus where all the early stations in Philadelphia were at previously on the dial. Why, did you know that in 1935, 560 kc had two stations that merged as WFIL, that being WFI and WLIT? Also, KYW was at 1020 kc 'residing' in Chicago before moving here and at 1060. Other 'switch itters' included WPEN at 920 (now 950), WIBG at 970 (990), WCAU at 1170 (1210), WTEL at 1310 (860), and WDAS at 1310 (1480), plus others, all listed on April 30, 1938, with WEAN-1080, WCAM-1280, and WIP, still then as now on 610 khz, but sharing time.

Then 'sharing her opinion' about all the numbers and dates, a voice cried out from the back of the room, Dottie Jean Dangerfield, to say we were, "missing the real radio," the old time programs like, "Amos & Andy," "Jack Armstrong," and others that families listening and entertained. Ben and Dorothy, we're listening to you!

NRC Kulpville 2005 finally began to wind down with three more highlights to conclude the evening and this convention. First at 5:45 PM, for the 26 members and guests still remaining out of the 47, the NRC Group Photo was taken by friend Ed Mauger of Philadelphia. Next, 'come and git it,' the always delicious NRC Banquet.

Third, our guest speaker, Mr. David McCork, of Telford, PA, a Philly suburb, spoke about his "Part 15 Station" WNAR-1620. Having acquired the information and equipment to build his "hobby" and a service to the immediate area, WNAR went on the air February 28, 2003 running one tenth of a watt or 100 milliwatts from his home with a transmitter, an efficient Hamilton Rangemaster MWXAM 1000, 2 'relay' transmitters in Lansdale and Tylersport, and an antenna no higher than 20 feet to match the transmitter. The calls stand for "We're Nostalgic About Radio"; WNAR runs many of the programs Dorothy had mentioned. The programs, all of Dave's collection, run all day along with a 3-year contract to run Information Radio Network News. In Mr. McCork's terms, the programs represent as, "a theatre of the mind." Also a consulting engineer to local stations WNAP-1110, WNPV-1440, and WISP-1570, Mr. McCork also spoke about 'the latest in AM radio clarity broadcasting,' "IBOC." In his view, "it will be good for the future, but not as good for existing service." Presently, IBOC runs on 3 Philadelphia stations, WIP, WPEN, and WDAS. Anyway, thank you, Mr. McCork, for presenting us with another fun and exciting way, WNAR, to use and live radio!

As a final note, WNRC was mentioned as running on 6930 khz, LSB / AM, and at "wnrc2005@yahoo.com." Now we say goodbye until NRC Akron 2006 when, "you never know what evil, or DX lurks, but only the Shadow knows!" 73s JRM

NRC Kulpville 2005 Attendees: (47)

CT: Laura McCusker, Larry Stoler

IL: Mark Marino (w / Murphy), Frank Merrill

KS: Paul Swearingen

MA: Ray and Arlene Arruda, Glenn Cooper

NJ: Bob Antoniuk, Tony Dee, Paul Mount, Bob Smolarek, Bob and Patti Stonier

NY: Jerry Bond, Scot4t Fybush

OR: John Adams

PA: D. Clark, Ben and Dottie Jean Dangerfield, Russ Edmunds, Richard Franklin, Harry Hayes, Clarke Ingram, John Malicky, Ed Mauger, David McCork, Joe Pelletier, Dave Schmidt, Harry Schools, Dave Shayer, René Tetro

TN: David Jones

TX: John Callarman

VA: Dave Marthouse, Al Merriman

ON: Wayne Ryan, Dave Whatmough

FL: John and Linda Bowker, Lee Freshwater, Mike Lantz

MD: Joe Dureth

NE: Ernie Wesolowski

OH: George Greene, Jerry Starr and Bonnie

# MADEIRA & PORTUGAL,

AUG 17-28, 2005

By Jim Renfrew

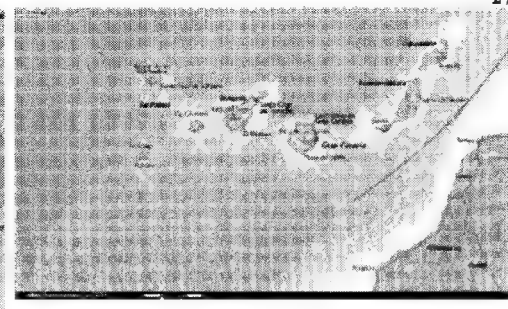
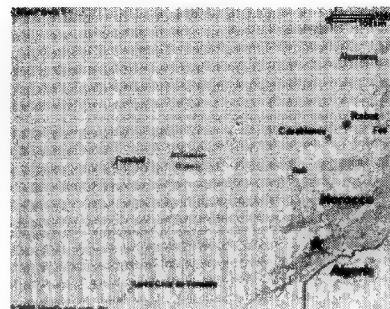
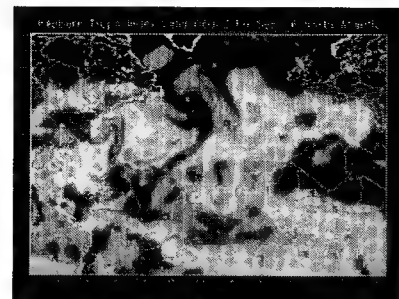
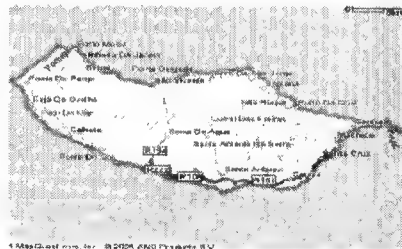
Married in March, Robin and I finally got our honeymoon vacation in August, which included a week on Madeira, a Portuguese island that lies about 300 kilometers west of Morocco, and three days in Portugal, about 30 kilometers from Lisbon. Robin has been to Portugal on a number of other occasions, but this was her first time to Madeira. She has developed some fair Portuguese language skills over the years, while I did better with English and Spanish. However, I don't recall meeting a single person who could not communicate in English.

Madeira has been a part of Portugal since the 1420's. Christopher Columbus is known to have spent time on the island. It has been best known for the excellent wine produced there. With the construction of a new airport the island is more accessible than ever before. Maderia also includes Porto Santo, a smaller island to the north, and two groups of uninhabited islands. One resident explained to me that about 80% of the population is Madeiran by birth, and most of the rest are children of Madeirans who have decided to return. The island is 57 kilometers long and 22 kilometers wide. Funchal, the capital, has a population of about 100,000 people, and the total population is over 250,000. The weather is very pleasant. The currency in use is the Euro, and a gallon of diesel fuel costs 1 euro/liter, equivalent to about \$5.00/gallon in US currency.

Driving, by the way, is an acquired skill on Maderia, with many one-lane wide roads for two-way traffic! Switch-backs are constant. Along one road on the north coast Robin happened to be driving on the narrow road hugging the steep cliff when a large tour bus came around a blind curve (requiring her to back up), and then a short distance later it took three tries (with more back-ups) to get through a narrow tunnel. Remarkably, I saw little evidence of side scrapes on any of the local cars.

This DX report is still incomplete, in that there are still quite a few gaps in what follows. The distance to Portugal from Madeira is about 600 miles / 1000 kilometers, and the Canary Islands are about 340 miles / 450 kilometers.

William Hepburn's "VHF/UHF Tropospheric Ducting" map (see sample above) at [http://home.cogeco.ca/~dxinfo/tropo.html] routinely shows bright red off the coast of West Africa, so these distances may not be all that remarkable. It also helps that once the listener gets past the local stations on Madeira there's nothing else until the Iberian Peninsula or the Canary Islands are reached. Morocco, though closer, was not easy to hear. A lot of the stations noted were from the highest elevations on the island, and some were from sea level. There is a high ridge of mountains running east/west, and reception is favored north or south accordingly. One big mistake I made was not to bring any kind of FM frequency guide. I had actually planned to focus on Medium Wave, but there just wasn't much to hear that I hadn't already heard from previous DXpeditions to Newfoundland. Also, we spent a lot of time in the car, so an FM radio with RDS made it easy to DX throughout each day while taking in the sights. I noted quite a few Canary Islands stations without bothering to ID them, only to discover that there are a HUGE number of stations from those islands, so sitting here back at home it is impossible to determine which ones some of them were were!



**Receiver Notes:** The Sony 2010, while nice to use with tuning steps of 0.05 MHz in a 0.10 environment, in the presence of strong adjacent channel will sometimes give the impression that a given signal is as much as .15 MHz off channel. The rental vehicle in Portugal was almost always 0.10 MHz off true channel.

**Logging notes:** The most complete list of European FM stations I have found is located at this web site: [http://www.ukwvtv.de/fmindex/index\_neu.html]. There are additional lists from official, media, tourist and DX sources, but there is much that is missing, and a lot that is contradictory. I invite your corrections and additions!

**Medium Wave Notes:** Although I did not give serious attention to Medium Wave on Madeira (assisted by my suitcase with the loop antenna inside being lost for two days after our arrival), here are some of the things I noted: The car radios were terrible. For example, in Lisbon receptions were limited day and night to 594, 666, 963, 1035. In Madeira, using the Sony and loop, the band was awash with Iberian stations, some of which were probably Canary Islands or Azores. The only African signals noted at night were Morocco on 711 and 1044, Algeria 891 (terrible quality) and Guinea on 1385.9 (very strong). Madeira stations were noted on 531, 603, and 1530. The 1530 station is PEF, which also broadcasts on 92.0 FM.

Madeira, AUG 18-25 (primarily Santo da Serra).

Receiver: Peugeot 307 rental car radio with RDS and Sony 2010 with whip antenna.

Ch.	ID	CTRY	CITY/TOWN	kWRDS Text/notes	Date/Time
87.7	RNE 2	CNR	Temejereque TVN	"RNE CLAS"	AUG 19 1659
88.0	Sintonia	CNR	La Oliva TVN	"SINTONIA"	AUG 19 1659
88.3	R. Isla	CNR	Santa Cruz TNF	"R. ISLA 88.1 88.3 99.2"	AUG 21 1508
88.5	Frontera	E	Jerez	"FRONTERA"	AUG 20 1351
88.6	R. Cinco	CNR	La Isleta GC		AUG 19 1954
88.8	R.Jornal	MDR	Funchal	1000 "RJM 88.8"	AUG 21 1508
89.0		CNR		"radio"	AUG 21 1659
89.0	R.Vina Mar	CNR	Ícod de Los Vinos TNF		AUG 21 1945
89.3	Antena 3	MDR	Canico	500 "ANTENNA 3"	AUG 19 1100
89.4	Cuarenta	E	San Fernando AND		AUG 20 1351
89.6	R.Palmeira	MDR			AUG 20 2207
89.6	RFM			San Miguel?	AUG 20 1358
89.7	SER	CNR	Arrecife Lanzarote GCL	"SER"	AUG 19 1711
89.8	Antena 3	MDR	Funchal-Monte	"ANTENNA 3"	AUG 22 1042
90.0	RNE 3	CNR	Izana TFH	"RNE 3"	AUG 21 1659
90.0	RTM(t)	MRC	Casablanca		AUG 21 1528
90.3	R. El Dia	CNR	Santa Cruz TF	"EL DIA"	AUG 22 1049
90.3	Onda Cero	E	Jerez AND		AUG 20 1358
90.3	Punto Radio	CNR	La Palma		AUG 19 1856
90.3	Antena 3				AUG 19 1230
90.4	R.Paris Lisboa	POR	Lisboa		AUG 19 0710
90.6	MM	CNR	Montana de Guaza TNF	"MM RADIO"	AUG 22 1316
90.8	SER				AUG 20 1358
90.8	Antena 3	MDR	Pico do Facho	"ANTENNA 3"	AUG 19 1100
90.8	COPE				AUG 22 0020
90.8	Punto Radio	CNR	Santa Cruz		AUG 22 2323
91.1	RTV	CNR			AUG 21 0948

91.3	Antena 3	MDR	Santa Cruz-Gaula	1000	"ANTENNA 3" AUG 19 0710	101.0	R.Popular	MDR	Camara de Lobos	2000	AUG 19 1100	
91.4	Onda Cero	E	Rota AND	2000	AUG 20 1358	101.2	R.ECCA	CNR	Puerto del Rosario FVN		AUG 19 1100	
91.4	Canarias Radio	CNR			AUG 24 0002	101.4	Cadena Dial	CNR	Pozo de las Nieves GC	2000	"CAD-DIAL" AUG 19 1100	
91.5	Power FM (t)	CNR	Norte La Isla LZR		AUG 24 0201	101.6	Antena 1	MDR	Canico		500"ANTENNA 1" AUG 19 1100	
91.6	R.Praia	MDR	Porto Santo	500	AUG 20 1109	101.9	Antena 1	MDR	Paul da Serra	1000	"ANTENNA 1" AUG 21 1552	
91.6	Cadena Dial	CNR	Los Realejos TF	2000	"CAD DIAL" AUG 22 1316	101.9	Antena 3	POR	Monchique?		AUG 22 0002	
91.7				German	AUG 20 2245	102.0	Punto Radio		"PUNTO" Badajoz?		AUG 19 1659	
91.8	Cadena Cien	CNR	Las Palmas GC	1000	"CAD CIEN" AUG 22 1049	102.1	RNE 2	CNR	La Montameta TNF	10000	"RNE-CLASE" AUG 19 1100	
92.0	Nova Antena	POR	Loures		2000 "RNA" AUG 20 1417	102.2	Punto R. Lanz.	CNR			AUG 19 1957	
92.0	PEF	MDR	Funchal		2000 "PEF FM" AUG 19 1100	102.4	Antena 2	MDR	Funchal-Monte	400	"ANTENNA 2" AUG 19 1100	
92.4	Cadena Cien	E	Cadiz		"CAD-100" AUG 20 1417	102.5	R.Europa	CNR	Montana Blanca LZR	7500	German AUG 22 0004	
92.5	RNE	CNR	La Frontera ELH	2000	AUG 22 2305	102.7	Onda Canaria	CNR	Galdur GC	2000	AUG 21 1607	
92.8	La Radio en Color	CNR	La Orotava TF		"LA RADIO EN COLOR" AUG 20 1417	102.8	RNE 3	CNR	Arrecife-Mt. Mina LZR	1000	AUG 19 1954	
93.0	RKM	CNR	Las Palmas GC		"RKM" AUG 22 2232	102.8	R.Cinco				AUG 24 0800	
93.1				"RAL"	AUG 22 2232	102.9	R.Portugues				AUG 19 1659	
93.1	Antena 1	MDR	Pico do Facho	100	"ANTENNA 1" AUG 24 0758	103.0	R.Maria	CNR	Santa Ursula TNF	400	"R.MARIA" AUG 22 0007	
93.2	Punto Radio	CTA	Punto Radio		AUG 23 2335							
93.7	R. Marca	CNR	Las Palmas GC	4000	AUG 22 0935	103.3	Antena 2	MDR	Porto Santo	10000	"ANTENNA 2" AUG 19 1100	
93.7	Antena 3				AUG 19 0710	103.4	Onda Cero	CNR	Arrecife Lanzarote GCL	"24 hrs de R.Lancelot" AUG 21 1607		
94.1	Antena 3	MDR	Pico do Areeiro	10000	"ANTENNA 3" AUG 19 0710	103.7	Megawelle	CNR	Orotava TNF	100	(or San Sebastian LGO) AUG 19 1100	
94.5	Antena 2	POR	Lisboa		AUG 19 0710	103.7	R.Maria				AUG 22 0007	
94.7	RNE 5 (t)	E	Lorca MUR		AUG 21 2345	104.0	Cuarenta				AUG 19 1119	
94.8	Antena 3	MDR	Cabo Girao	3000	"ANTENNA 3" AUG 19 1100	104.2	R.Faycan	CNR	Telde GC	500	AUG 19 1119	
94.9	RNE 2	CNR	Arrecife-Mt Mina LZR	4000	AUG 19 1930	104.3	Antena 1	MDR	Achadas da Cruz	1000	"ANTENNA 1" AUG 20 1159	
95.1	RTMI(t)	MRC	Meknes-Zerhoun	10000	AUG 22 0944	104.3	La Mega	CNR	Puerto La Cruz TNF	2000	AUG 19 1119	
95.4	R.Gente	CNR	La Matanza de A. TNF	"ICOD RADIO GENTE 103.4 LAGUNA" AUG 20 1417		104.5	R.Tinajo	CNR	Tinajo LZR	2000	"R TINAJO 104.5 FM" AUG 19	
95.5	Antena 1	MDR	Pico do Areeiro	10000	"ANTENNA 1" AUG 19 1100	1646						
95.7	Antena 1	POR	Lisboa		100000 AUG 20 1645	104.6	Antena 1	MDR	Funchal-Monte	1000	"ANTENNA 1" AUG 19 1119	
96.1	R.Palmeira	MDR	Santa Cruz	500	AUG 20 2100	104.6	R.Valleseco	CNR	Valleseco		AUG 21 1834	
96.2	RNE 2	CNR	Izana TNF	5000	"RNE CLAS" AUG 20 1640	104.6	Medi 1(t)	MRC	Agadir	20000	AUG 24 0804	
96.5	Antena 3	MDR	Porto Santo	10000	"ANTENNA 3" AUG 19 1100	104.7	R.Ecca	CNR	Los Realejos TNF	4000	AUG 21 1008	
96.5	R.Taoro	CNR	La Orotava		"R.TAORO" AUG 22 1316	104.8	R.Cinco	CNR	Temejereque FVN	1000	"RNE 5" AUG 19 1119	
96.7	Antena 1	MDR	Cabo Girao	3000	"ANTENNA 1" AUG 21 1528	104.9	RNE 3	CNR	Valverdedel Hiero ELH	2000	AUG 21 1619	
96.8	R.Insular	CNR	Arrecife Lanzarote GCL	5000	AUG 20 2224	105.0	Antena 3	MDR	Achadas da Cruz	1000	"ANTENNA 3" AUG 19 1646	

89.3	Antena 2	Lousa	100000	"ANTENA 2"
89.5	TSF	Lisboa	5000	
89.9	RFM	Arrabida	12000	
90.2	Renascença	Montejunto10000	or Guarda	
90.4	R. Paris	Lisboa	5000	
90.8	R.Comercial	Lousa	44000	
91.2	R. Sintra	Sintra	1000	"RC SINTRA"
91.7	RFM	Lousa	56000	
92.0	Nova Antena	Loures	2000	"RNA"
92.4	Mega FM	Lisboa	5000	
92.8	Horizonte FM	Loures	2000	
92.9	Antena 2	Portoalegre	10000	
93.2	RFM	Lisboa	50000	
93.5	R.Voz	Alenquer	500	"ALENQUER"
93.7	R.Mais	Amadora	1500	"R. MAIS"
93.8	Nova Europa	Torres Vedra	1000	
94.2	Talk FM			
94.4	Antena 2	Lisboa	100000	
95.0	R.Miramar	Oeiras	1500	
95.3	Tropical FM	Moita	1500	"TROPICAL FM"
95.6	R. Sestais			
95.7	Antena 1	Lisboa / Monsanto		"ANTENA 1"
96.0	Antena 2	Sintra / Janas	200	"ANTENA 2"
96.4	R.Clube Portugues	Montejunto10000	"RDP"	
96.6	Best FM	Lisboa	5000	"BEST FM"
96.9	Antena 1	Sintra / Janas	200	"ANTENA 1"
97.1	Vida FM	Arruda dos Vinhas	500	
97.4	R.Comercial	Monsanto / Lisboa	44000	
97.8	Radar	Lisboa	2000	"RADAR"
98.1	R.Marginal	Cascais	3000	"MARGINAL"
98.3	Antena 1	Lisboa / Montejunto	40000	"ANTENA 1"
98.7	R.Baia	Seixal	1500	
98.7	R.Pontevedra	Pontevedra, SPAIN		
99.0	Energie FM			
99.3	Cidade FM			
99.5	Maior FM	Rio Maior1000		
99.8	R.Comercial	Montejunto10000		
100.3	Antena 3	Lisboa / Monsanto	100000	"ANTENA 3"
100.5	R.Porto Algre	Porta Legra2000		
100.8	Capital	Almada	2000	"CAPITAL"
101.5	RDPAfrica	Lisbon area5000	"AFRICA"	
101.9	Orbital	Loures	2000	"ORBITAL"
102.2	Antena 3	Lousa	100000	"ANTENA 3"
102.6	Oxigeneo	Oeiras	1500	"OXIGENEO"
103.2	TSF	Bornes?	10000	
103.4	RR	Lisboa	50000	"RR"
103.8	Antena 3	Sintra / Janas	200	"ANTENA 3"
104.3	R.Clube Portugues	Lisboa	50000	
104.8	Eco FM	Alcochete		
105.2	Antena 3	Lisboa / Montejunto	40000	"ANTENA 3"
105.6	RC Mafra	Mafra	1000	"RC MAFRA"
105.8	RR	Arrabida	12000	"RR"
106.0	R.Renascença	Lousa	50000	
106.4	Oasis FM	Sobral de Monte Agraco	1000	"OASIS"
106.8	TSF		106.7 Or 106.8?	
107.2	Cidade	Amadora	1500	"CIDADE"
107.7	Nossa FM	Sintra	1000	"NOSSA FM"

## A Lifeline Sent by Airwave

**Two days after Katrina hit, New Orleans radio stations teamed up to bring needed news and familiar voices to those otherwise cut off.**

**By Ellen Barry, L.A. Times Staff Writer - September 10, 2005**

**via Ken MacHarg**

BATON ROUGE, La. - Deke "the Big Chief" Bellavia, a sportscaster on WWL-AM, is among the world's leading authorities on high school football in southeast Louisiana. He has a rolling, syrupy accent and an enormous girth, which he is not too shy to mention on the air.

He did not expect to find himself - as he did last week - instructing a dehydrated listener to punch a hole in a can of corn and suck out the liquid. Or soothing a woman who called from her cellphone while wading through water that had bodies in it. This was not what he was hired to do.

"You find a way to get through it because the people need you," Bellavia said.

After Hurricane Katrina, as modern forms of communications failed one by one in New Orleans, one technology functioned, and that was radio.

Working out of a fluorescent-lighted studio in Baton Rouge, a collection of personalities from New Orleans radio stations - sportscasters, rock jocks, Christian broadcasters, and soft rock and smooth-talk R&B talent - has served as the slender connection between stranded people and the outside world.

It was a talk-radio host, Garland Robinette, who, three days after Katrina, recorded the interview with New Orleans Mayor C. Ray Nagin that sounded the city's distress like a foghorn. It was radio that recorded the locations of hundreds of people who used the fading batteries of their cellphones to call the station. These days, from morning to night, radio broadcasts survivors as they look for lost and separated family members.

"In a crisis, you fall back to what you know. You fall back to the very basics," said Kevin Duplantis, chief engineer for WWL, in normal times a conservative talk-radio station. "And radio is very simple. Turn it on, turn up the volume, and someone is talking to you. You're attached to that voice. You're looking to that voice as your guide out."

On Aug. 29, when the storm made landfall, satellite dishes welded to the rooftops in New Orleans broke loose and crashed into one another, cracking into pieces. The only media outlet still broadcasting live from the city was WWL, and in its offices, programming and operations manager Diane Newman, 48, heard the studio windows - which had been boarded up - explode one by one.

She had Robinette on the air at that moment, and walked him down the hallway holding a microphone in front of him, as if he were a hospital patient attached to an IV. Robinette, 62, had broken into broadcast journalism while working as a janitor at a small radio station; he shook off his Cajun accent and, with his wedge of dark hair, became an icon in New Orleans.

By 6 the next morning, a levee had broken, and Newman had orders to evacuate to Baton Rouge, 80 miles away. Those employees who could still drive out left at dawn, and the last few who remained were evacuated by helicopter. The helicopter had been chartered by WWL's fiercest competitor, Clear Channel Communications Inc., to pick up several of its own employees.

It was the beginning of an unusual partnership. That same day, Clear Channel and WWL's parent company, Entercom Communications Corp., temporarily combined their operations; 18 stations would broadcast as one. Clear Channel would benefit from WWL's formidable news operation, and Entercom would have access to Clear Channel's studios.

The new venture - the United Radio Broadcasters of New Orleans - went on the air at dawn Aug. 31, two days after the hurricane.

It seemed like an easy decision to Dick Lewis, Clear Channel's regional vice president. Lewis, 54, can identify the precise moment when he decided to get into radio. He was 17, in the car with his parents, driving through a terrible storm near Broken Bow, Okla.

It was the middle of the night. As the wind and hail grew stronger, Lewis recalls, his mother told the kids to get down between the car's seats. Then the tornado touched down on them and the car started "bouncing like a basketball."

What Lewis remembers is that the radio in the car, tuned to WKY-AM in Oklahoma City, kept working. For 20 minutes - a period that felt like a lifetime - "it was the radio that gave us our sense of calmness, our touch with the outside world," he said.

He got into radio for that reason, although most of his time is spent, he says, on "routine stuff."

"We provide entertainment to fill up the time," he said. "All we're doing is filling up the time, to be here until something of significant magnitude happens."

In the beige-carpeted offices of Clear Channel Communications in Baton Rouge, posters declare a corporate mantra: "Clear Channel Communications. Make Budget. Beat Market." Last week, after

### Need more information about AM DX'ing?

Mail a First-Class stamp to NRC Publications - P. O. Box 164 - Mannsville, NY 13661-0164 and ask for the NRC Publications Catalog.



WWL relocated there, someone crossed out the last two sentences, and wrote this in with a red marker: "Help Humanity."

Hold lights blinked on the studio phone for three days as listeners called in to tell the world about the terrible things that were happening to them.

Their minds fogged with fear, they asked radio hosts how they should get to their roofs. The answer: Climb out on the windowsill. Hand the children up. DJs gave instructions on how to take a wooden door off its hinges so it could be used as a raft.

Red-eyed at the end of a five-hour shift, Gerry Vaillancourt, a Charlotte Hornets analyst on WODT-AM, recalled the stream of calls: "I can't find my baby! My sister lost her baby! I saw a dead man! I've never seen a dead man! I can't find my 4-year-old son! I can't find my husband!"

From behind the microphone in the studio, he said, New Orleans sounded "like a city being nuked."

Vaillancourt is a warm, pugnacious man, originally from the Bronx. He was struck, he said, by the power of talk radio - its intimacy, its burden.

"There's a family with 15 people in a house with no power, but they can listen," he said. "You're on the next shift, and you're keeping them company, and it's frightening."

Vaillancourt got through it with gentle, goofy humor.

He remembers a woman who called, miserable and stranded, and told him she was getting ready to eat. Vaillancourt suggested that she make veal Parmesan, and maybe he would come by with a bottle of Merlot. She said, forlornly, that she didn't have any of the ingredients.

Then she asked, "What if I just make us a lasagna?"

Then she laughed and laughed.

Mayor Nagin called the station Sept. 1 when Robinette was on the air. Robinette had broadcast every day since the storm hit; he was tired, he said, and "not concentrating the way I should."

The mayor was tired too. The situation in New Orleans had deteriorated sharply. Thousands of people were milling at the Superdome and the convention center, sick, dehydrated and desperate to get out of the city.

Rescue crews, alarmed about reports of rioting, were afraid to pull off the interstate.

Robinette was expecting a report from the mayor, but what he got was a half-hour roar of anger and despair. It was the sound of a man who no longer cared about his political future.

"You know," Nagin said, "God is looking down on all this, and if [state and federal authorities] are not doing everything in their power to save people, they are going to pay the price. Because every day that we delay, people are dying and they're dying by the hundreds, I'm willing to bet you."

"We're getting reports and calls that are breaking my heart, from people saying: 'I've been in my attic. I can't take it anymore. The water is up to my neck. I don't think I can hold out.' And that's happening as we speak."

Nagin went on and on, until both men fell silent. On the air, Robinette could be heard crying. The station cut to a commercial.

That interview, Robinette said, was "the off-the-cliff moment and the flying moment."

Mike Kaplan, operations manager at Entercom's adult contemporary station, was listening at the master control. His first thought was that the mayor's profanity-laced outburst might have violated Federal Communications Commission standards. His second thought was about history. He asked: Is someone taping this? He pressed a record button.

"He said, 'Di, I want to get that out to everyone in the country,'" Newman said.

The tape was driven across town to the local CBS affiliate. By the next day, Nagin's interview was airing on all three networks.

Within 24 hours, President Bush visited New Orleans.

"When they write the history of Katrina, it will be written on the turn of Ray Nagin," Robinette said. "That was a guy pulling babies out of the water. That was the power of it. It was one man furious."

Many WWL employees are still living in RVs beside the parking lot of the Clear Channel building, sleeping in four-hour shifts.

Suitcases sat in cubicles, and over the PA system, a receptionist announced that grief counselors were on hand for anyone who needed them. No one showed up, though, probably because they were too busy.

Lewis found that he could no longer perform simple arithmetic. Sales manager Mark Boudreaux was reminding people to remind him of things. Newman, fuzzy-headed with exhaustion, accidentally placed her new cellphone in a cup of coffee. She didn't care, she said: "What matters is what comes out of that box."

A note of calm entered the calls this week. Listeners now wanted contact numbers for the Red Cross, they wanted to know if they should boil their water, they wanted to reunite with family mem-

bers.

Bellavia, 34, who was diagnosed last year with Hodgkin's lymphoma, feels the way he felt when he found out his tumor was gone: guilty that he has walked away when so many others died.

Leaving the station every night, for the hourlong drive to his home in Amite, 50 miles northeast of Baton Rouge, he "began to feel like a machine," he said.

"I'll put it like this: I haven't broken down, but I wonder when I will," Bellavia said. "I wonder when I will, how you say, shut down and reboot."

Robinette, who was awarded two purple hearts in Vietnam, said the week of the flood was "all adrenaline. I used to say, overseas, that nobody's afraid during a firefight. When it's over, it's very scary."

These days, Robinette takes calls from people who want to thank him or the station and say how grateful they are. Something about that sickens him. Radio, he said, has not done anything for the people of New Orleans.

"It's what the people of New Orleans have done for radio. You want to say, 'You're the ones dying,'" he said. Then he hung his head and sobbed.

As for Duplantis, whose house was probably engulfed in the 25-foot surge that hit St. Bernard Parish, he doesn't spend much time cataloging his losses.

"I don't even think about it. What am I going to think about?" Duplantis, 42, said. "I just work."

And so the broadcasts continue. They are not archived, so there is no record of the hundreds of ordinary people who called the station at the strangest, most terrifying moments of their lives.

In the early hours of Sept. 2, several million radio listeners east of the Rocky Mountains could hear the voice of a man on his roof in New Orleans describing what the stars looked like over a city in darkness.

The man's voice sounded serene and mellow. At that moment, he was in total isolation - speaking from his rooftop in a city filling up with reeking water, SWAT teams and crowds of angry, hungry, frightened people.

No one could have gotten to him that night, and it is impossible to know whether he survived. But his voice was carried on the 50,000-watt signal of WWL-AM. He sounded close enough to touch.

## Geomagnetic Summary

Phil Bytheway [phil-bytheway@teknologic.net](mailto:phil-bytheway@teknologic.net)  
9705 Mary NW  
Seattle, WA 98117-2334

*High "A" values indicate possible auroral conditions*

### Geomagnetic Summary April 27 2005 through July 24, 2005

SWF - Space Weather Forecast  
maf - major flare  
mas - major storm  
mis - minor storm  
pca - polar cap absorption  
SWT - Space Weather today  
spe - satellite proton event  
ss - severe storm

Tabulated from email status daily.

Date/Flux	A	K	Space	Wx Today	Space Wx Forecast	Au
4/27	91	5	2	no storms	no storms	2
28	95	3	1	no storms	no storms	4
29	98	2	2	no storms	no storms	4
4/30	105	11	4	no storms	no storms	8
5/ 1	106	19	3	minor	minor	8
2	112	24	3	moderate	minor	10
3	x	x	x	x	x	x
4	112	10	1	x	x	x
5	109	6	2	no storms	no storms	6
6	109	6	2	x	x	x
7	110	4	2	minor	minor	5
8	110	3	1	x	x	x
9	100	10	6	moderate	moderate	1
10	110	8	2	no storms	no storms	6
11	119	11	3	minor	minor	6
12	125	6	3	minor	minor	7
13	117	15	2	minor	minor	6
14	126	27	3	moderate	minor	4
15	100	27	2	moderate	moderate	5
16	103	88	4	extreme	minor	10
17	99	28	2	moderate	minor	7

18	90	19	2	minor	minor	6
19	84	15	2	no storms	no storms	7
20	85	9	3	no storms	no storms	7
21	84	26	2	moderate	no storms	5
22	82	16	3	no storms	no storms	7
23	82	16	3	x	x	x
24	83	7	2	no storms	no storms	7
25	84	5	2	no storms	no storms	2
26	84	5	1	x	x	x
27	90	1	0	no storms	no storms	1
28	96	'1	0	minor	minor	3
29	92	16	4	no storms	minor	9
30	93	15	3	no storms	no storms	8
5/31	95	50	5	strong	minor	8
6/1	96	18	2	no storms	no storms	9
2	94	15	3	minor	no storms	4
3	93	8	2	no storms	no storms	5
4	95	11	2	minor	minor	4
5	97	19	4	no storms	minor	10
6	105	18	2	minor	no storms	8
7	106	8	2	no storms	no storms	5
8	109	17	2	minor	no storms	4
9	116	3	0	no storms	no storms	7
10	116	3	2	x	x	x
11	114	4	1	no storms	no storms	6
12	108	6	2	no storms	no storms	5
13	103	27	5	minor	moderate	10
14	92	31	3	moderate	no storms	8
15	94	9	3	no storms	no storms	6
16	95	19	3	minor	no storms	4
17	98	25	4	moderate	minor	7
18	91	15	2	minor	no storms	7
19	90	9	2	no storms	no storms	7
20	87	5	2	no storms	no storms	7
21	86	7	2	no storms	no storms	3
22	83	1	1	no storms	no storms	1
23	80	4	1	no storms	no storms	2
24	78	35	3	strong	minor	8
25	77	16	1	minor	no storms	2
26	77	9	x	x	x	x
27	79	7	2	no storms	no storms	6
28	77	4	2	no storms	no storms	6
29	80	5	2	no storms	no storms	6
6/30	89	6	1	no storms	no storms	4
7/1	103	10	3	no storms	no storms	5
2	115	14	3	minor	no storms	9
3	124	13	3	no storms	no storms	7
4	130	10	2	no storms	no storms	3
5	124	5	2	no storms	no storms	2
6	127	5	2	no storms	no storms	4
7	123	4	1	no storms	no storms	4
8	123	4	2	x	x	x
9	110	1	1	no storms	minor	4
10	107	12	2	no storms	minor	9
11	102	35	5	minor	minor	9
12	93	23	4	minor	no storms	9
13	96	33	3	moderate	minor	6
14	92	22	3	moderate	minor	4
15	90	12	2	strong	moderate	5
16	87	6	2	moderate	moderate	5
17	76	15	3	minor	minor	5
18	74	14	2	minor	minor	9
19	72	28	2	moderate	no storms	7
20	71	8	2	no storms	no storms	4
21	72	20	3	no storms	no storms	10
22	73	21	2	minor	no storms	8
23	74	12	3	no storms	no storms	7
24	80	4	1	no storms	no storms	4

# Musings

## of the Members

Thoughts from NRC members ... the opinions expressed in this column are those of the individual writer and do not necessarily reflect those of the editors, publishers, or the National Radio Club, Inc.

Here is the fit and trim edition of MUSINGS, but we need to get some weight on our bones and have a report from you! DX- and radio-related material is always appreciated, but we don't accept directions to any neighborhood chili parlors. Here we go:

Ray Arruda - 47 Burt Street - Acushnet, MA 02743-1939

Just a short note to say we had a great time at the NRC Convention in Kulpville over Labor Day weekend. It's always nice to see everyone, and sometimes run into someone we haven't seen in several years. A big THANK YOU to all those who made this convention a success! Special thanks to JOHN & LINDA BOWKER and DAVE SCHMIDT for all the work done behind the scenes. CRAIG HEALY: your low-pass filter is at the house, so maybe we can hook up soon so I can get it to you. We always welcome NRCers passing through the area, and with that said, we have decided to cancel our long-running Thanksgiving get-together at the Lower Deck until further notice. Please make a note of this as it may not appear anywhere else in DX NEWS. However, please look us up if you're in the area. 73 (And it was great to see you and Arlene at the convention! DWS)

Dave Schmidt - P O Box 3111 - Scranton, PA 18505-0111

Where are all our people? It seems it's getting tougher and tougher to get contributions! Generally, at the start of the volume year, we try to kick off the year with some reintroduction Musings, but this year it appears others don't want to share info through Musings? Why is this? Has Musings outlived its usefulness as a regular column? Input via regular mail or Email would be appreciated. 73

## For Beginners

Greg Harris wdx9khy@sbcglobal.net

262 Juniper St.

Park Forest, IL 60466-1725

Shared techniques for the new and experienced DX'er

Hello.

Now, a brief word about logbooks. A log is merely a record (written, tape recorded, or now I'm told on CD's) of what we heard and when we heard it. My own log is paper. I designed the log sheets and ran off a lot of copies and I keep them in a cheapo folder. Works for me. What are the headings in my log? Well...as follows:

Date Time Station Heard Frequency Station location Remarks

My log is as simple as that. Some DX'ers just buy a logbook which would be used by Radio Hams and modify the columns for what they want to record. I have seen at least one example of a log sheet available for downloading off the Web. I have read of one NRC member who keeps 3 separate and very detailed logs. Another DX'er friend once in a while buys a school "composition notebook" with the cardboard covers and rules up pages to suit himself. I'm told many DX'ers do their logging on their computer and that there are programs that will make the process fairly painless. In summary, no log is REQUIRED at all to DX. Many experienced DX'ers believe in keeping an accurate and detailed log (I sure do) and there is really no right or wrong way to do it. It is whatever works for you. 73



Bruce Elving's FM Atlas ...20th Edition

The world-famous guide which has served FM DX'ers for over 20 years is available from NRC Publications at the special price of \$20.00 for NRC USA/Canada members, \$24.00 USA/Canada non-members, \$25.00 for all others. NY residents, please add sales tax.